1. Assignment: Install Virtualbox/VMware Workstation with different flavours of linux or windows OS on windows.

Download and Install VirtualBox

To download the VirtualBox, follow the instructions below.

Step 1: To download the latest version of VirtualBox, visit the official VirtualBox website in your web browser.

Step 2: Now, download the VirtualBox from here.

Step 3: Navigate the folder where you have downloaded your VirtualBox and double-click on the downloaded "VirtualBox" file to run it.

Step 4: "Oracle VM VirtualBox 6.1.6 Setup" window will appear on the screen and click on the "Next" button to proceed.

Step 5: Choose the location where you want to install the VirtualBox and click on the "Next" button to proceed.

Step 6: Choose the options as per your choice and click on the "Next" button.

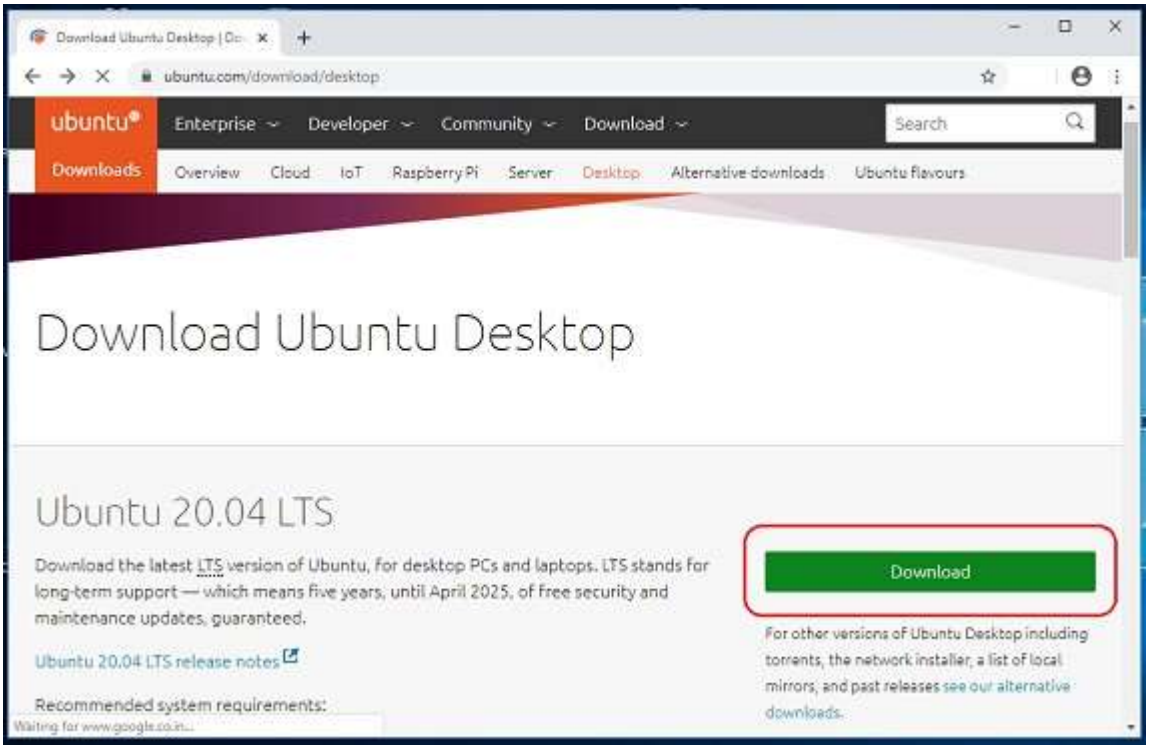
Step 7: Click on the Yes button and then the "Install" button.

Download Ubuntu

Follow the instructions below to download the Ubuntu ISO file.

Step 1: To download the latest version of Ubuntu, i.e., Ubuntu, visit the official Ubuntu website in your web browser.

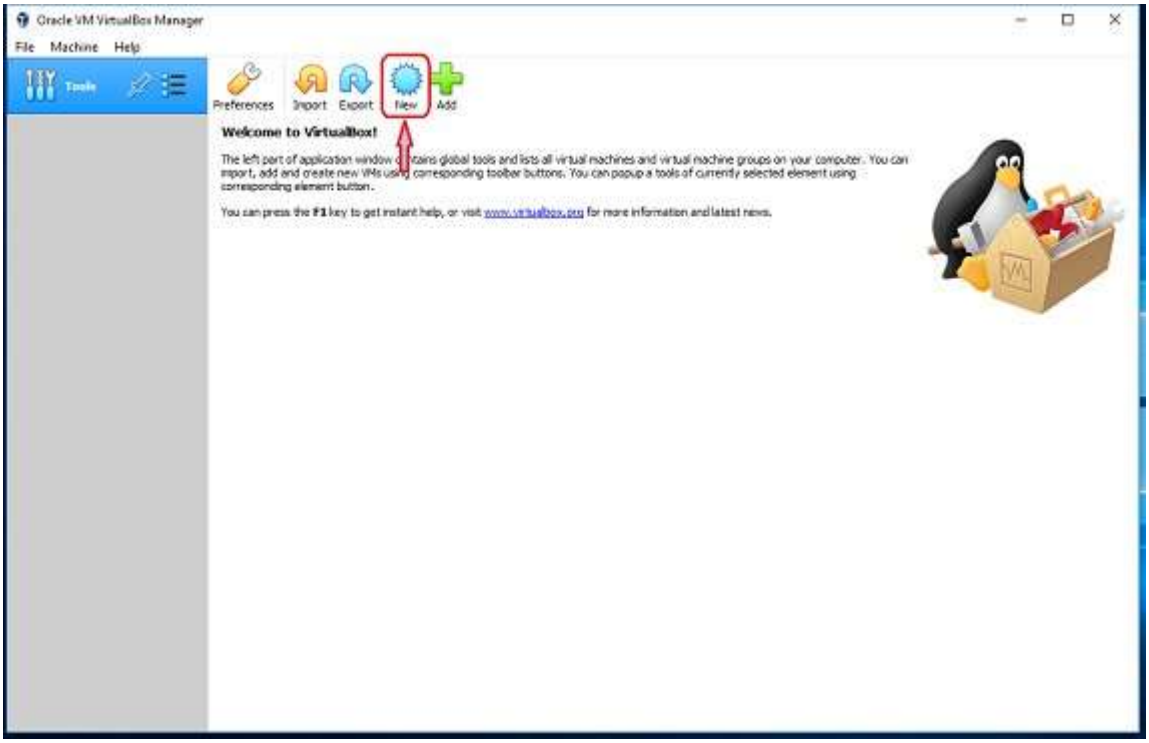
Step 2: By clicking on the "Download" button, you can download the latest version of Ubuntu, i.e., Ubuntu 20.04 LTS (long term support).



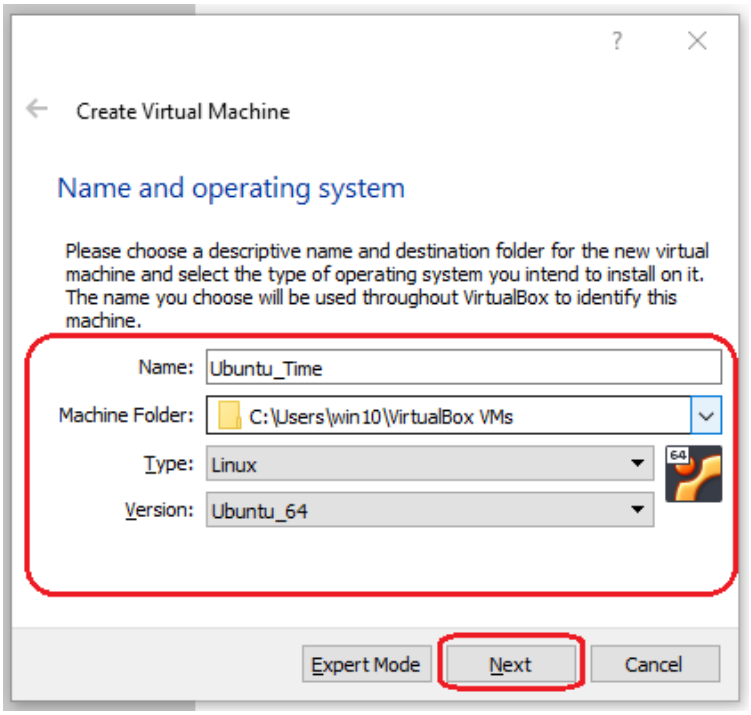
Creating a Virtual Machine

Now, it is time to create a Virtual Machine. Follow the instructions below to proceed.

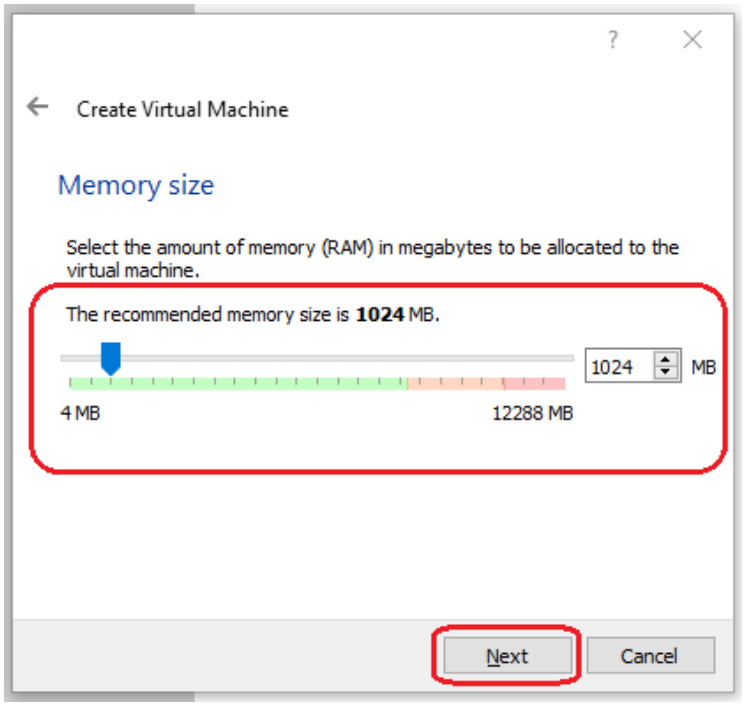
Step 1: Open VirtualBox and click on the "New" button.



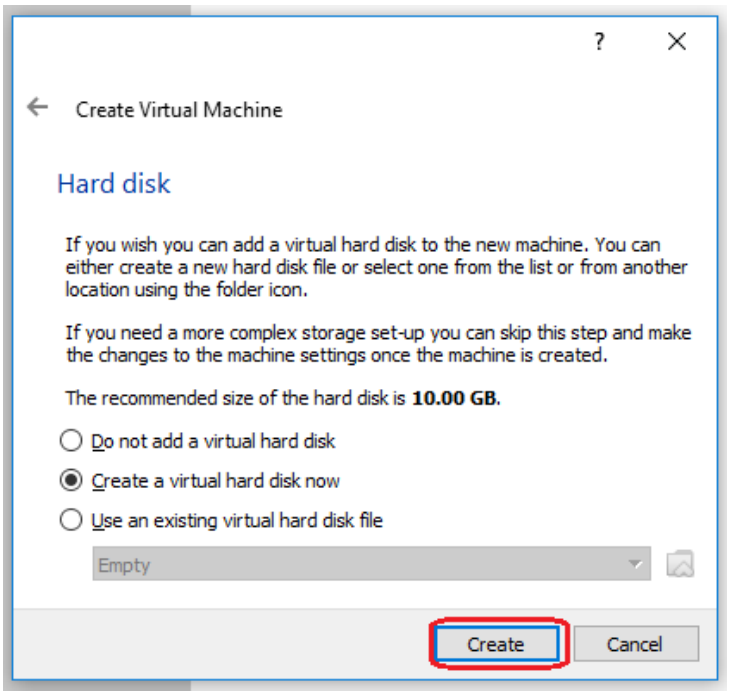
Step 2: Choose a name for your virtual machine with its location. Based on the name you entered, VirtualBox will try to predict the "Type" and "Version". Otherwise, from the drop-down menu, select "Linux" as the type and "Ubuntu" as the version and click on the "Next" button.



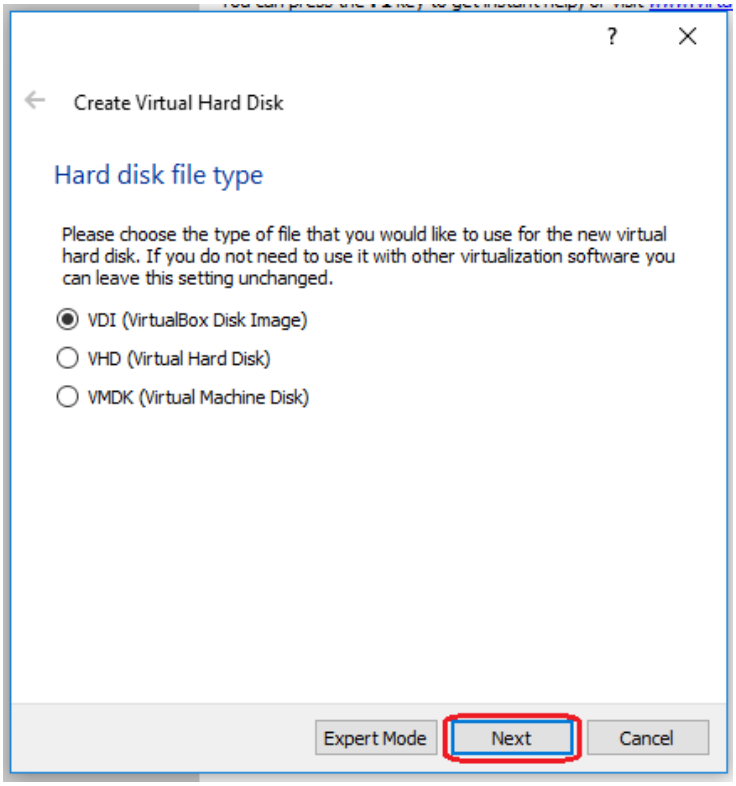
Step 3: With the help of the slider, choose the amount of memory (RAM) to be allocated to the virtual machine. (The recommended memory size is 1024 MB (1 GB). Please note that this memory will only be used while using a virtual machine).



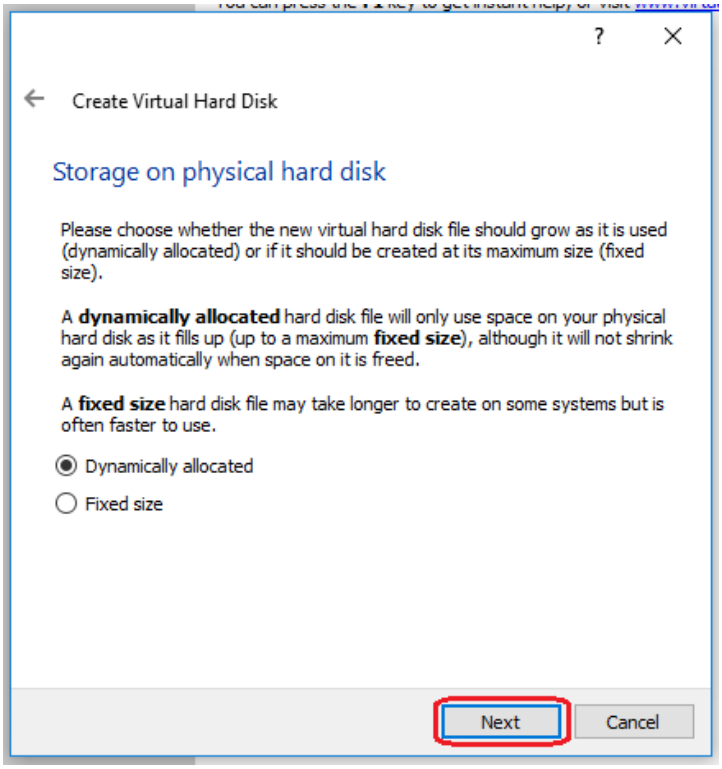
Step 4: Select "Create a virtual hard disk now" option and click on the "Create" button to proceed.



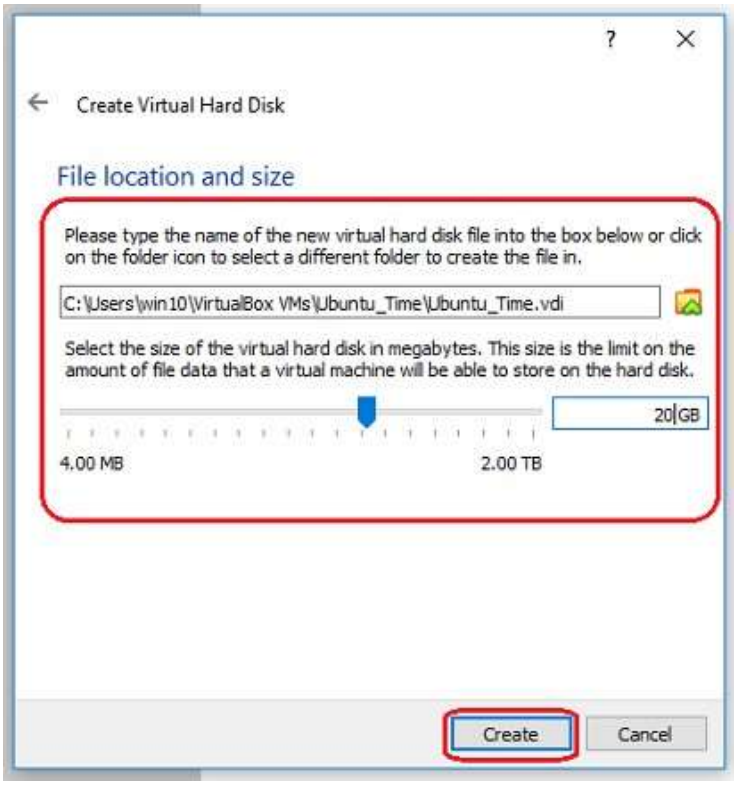
Step 5: Choose the "VDI (VirtualBox Disk Image)" option and click "Next".



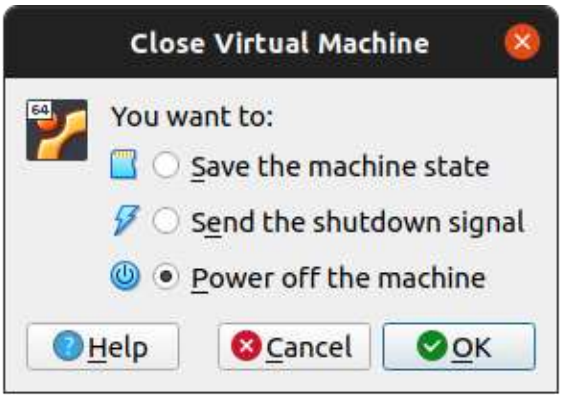
Step 6: Again, click on the "Next" button.



Step 7: Select the amount of space for your virtual machine and click the "Create" button. (This will be used for your operating system which is going to be installed, so give as much space as possible).



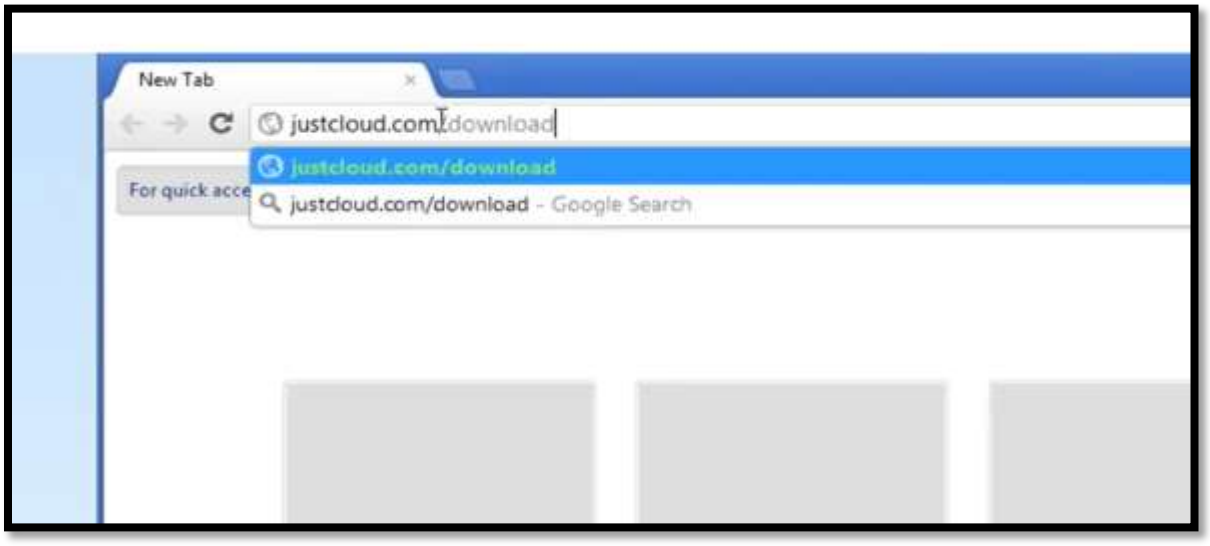
Step 8: When you click on the "Close" button of your virtual machine window (at the top right of the window, just like you would close any other window on your system), VirtualBox asks you whether you want to "save" or "power off" the VM. (As a shortcut, you can also press the Host key together with "Q".)



Assignment No. 2: Installation and Configuration of Just cloud.

Step1: Download the Installeation

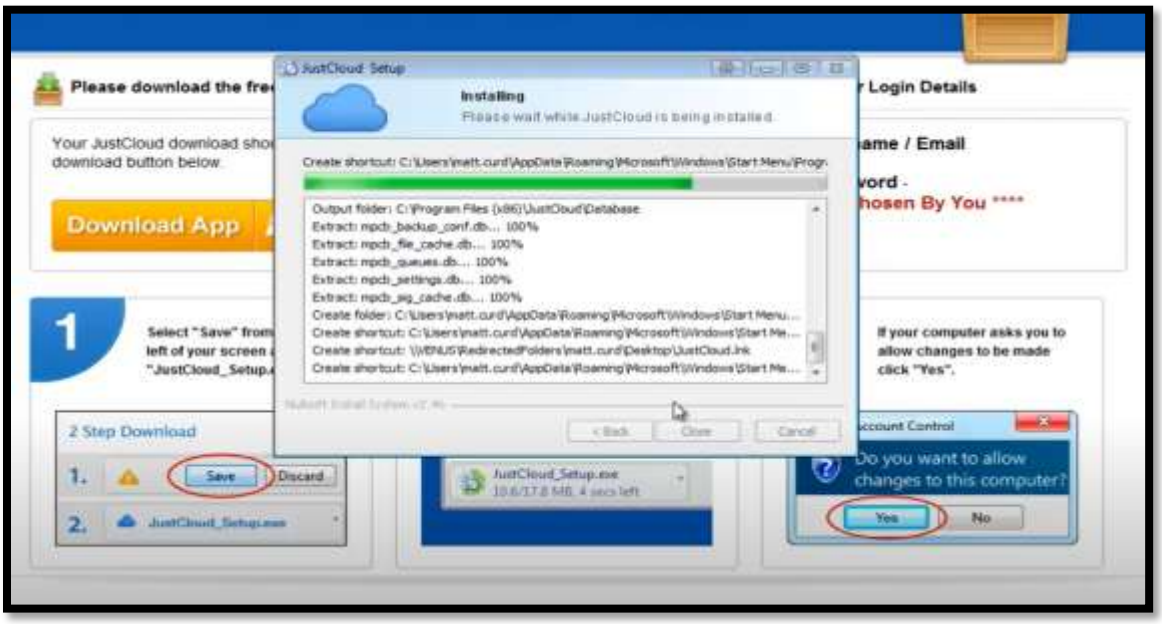
Visit the "JustCloud website" and locate the download section.



Choose the appropriate version for your operating system (Windows, macOS, etc.) and download the installer.

Step2: Run the Installer

Double-click the downloaded file to start the installation process .Click on "Install" and follow the on-screen instructions. Accept the terms and choose where to install the app if prompted.



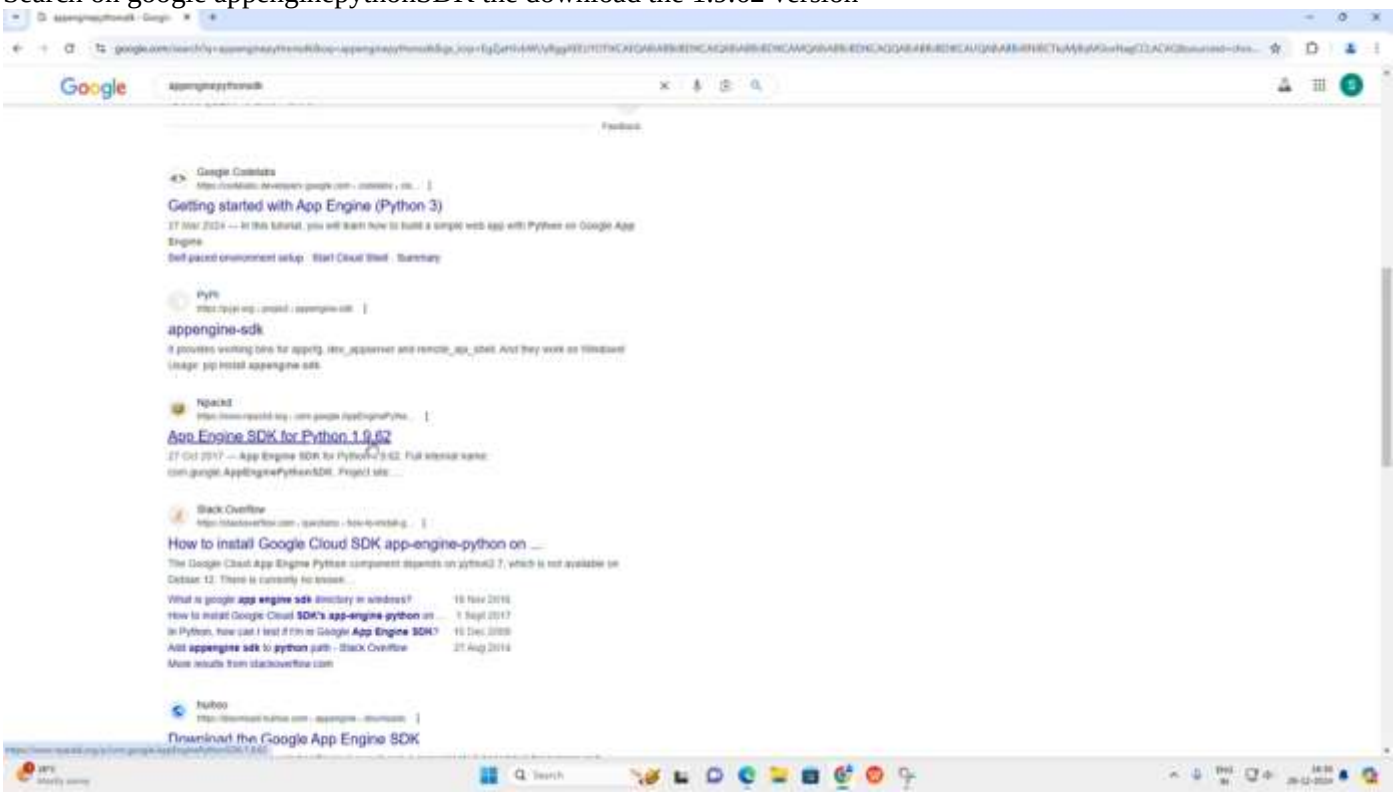
On Windows, you might need to grant permission for the installer to make changes to your system.

Step3: Complete Installation

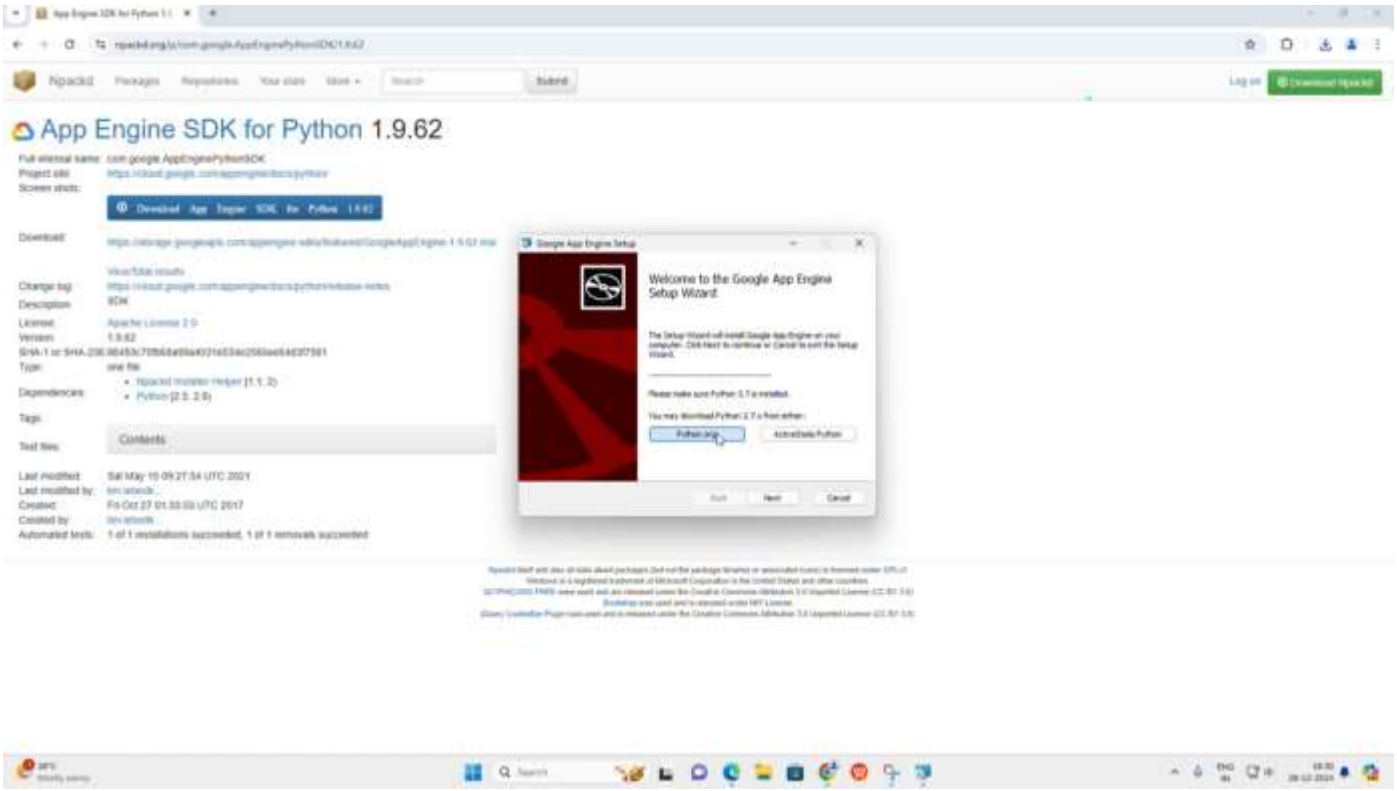
Once the installation is complete, the JustCloud application should start automatically.

3. Assignment Install Google App Engine. Create hello world app and other simple web applications using python

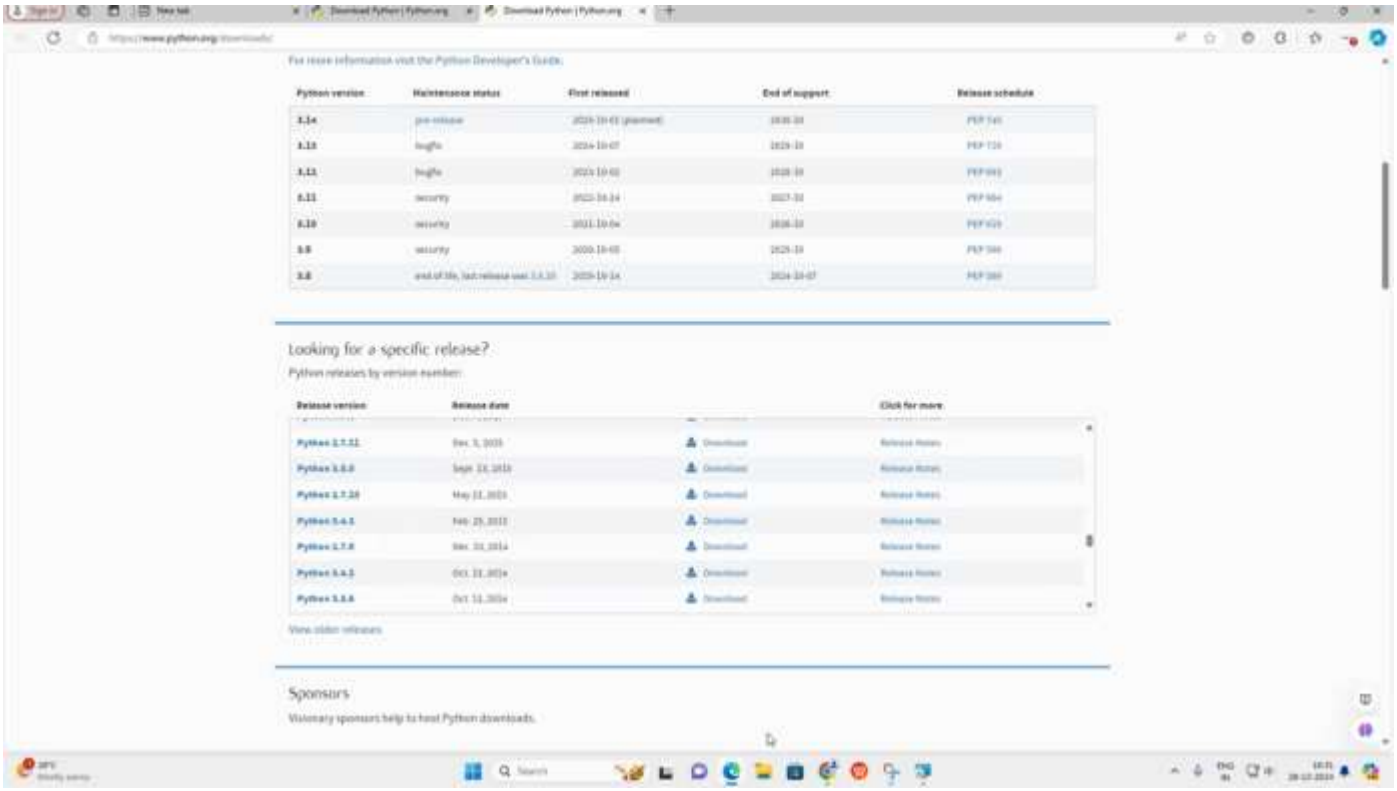
Search on google appenginepythonSDK the download the 1.9.62 version



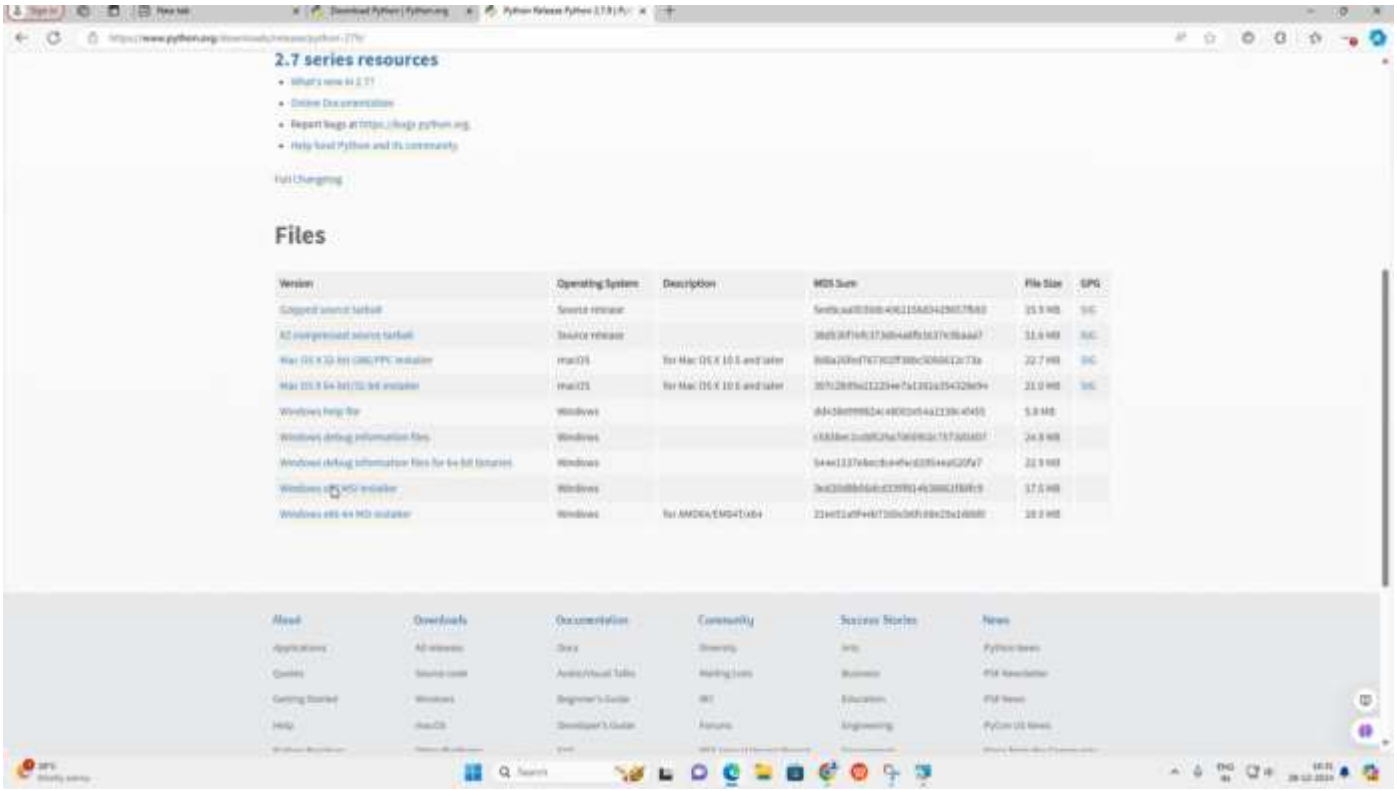
Download the google app engine then download python click on python.org



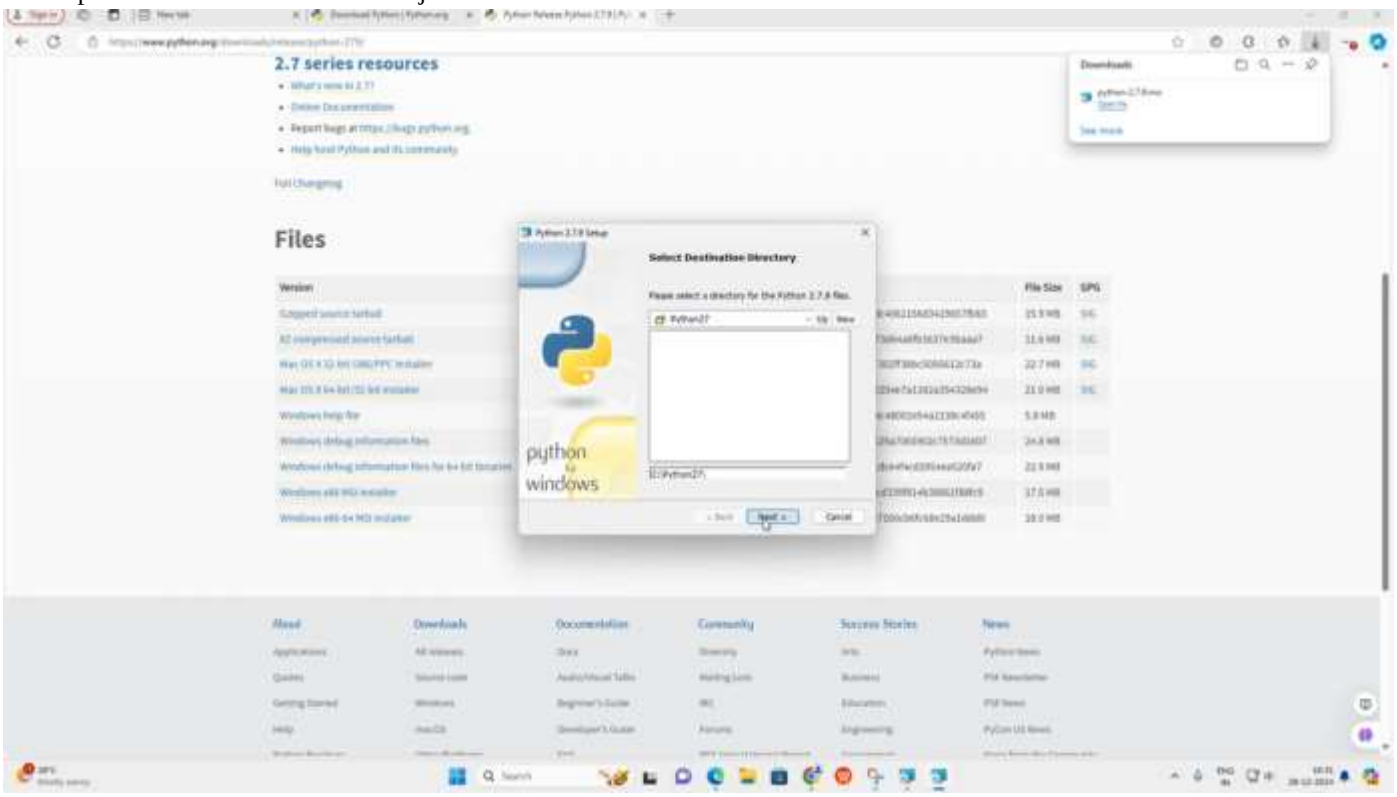
Download the python click on 2.7.9 version

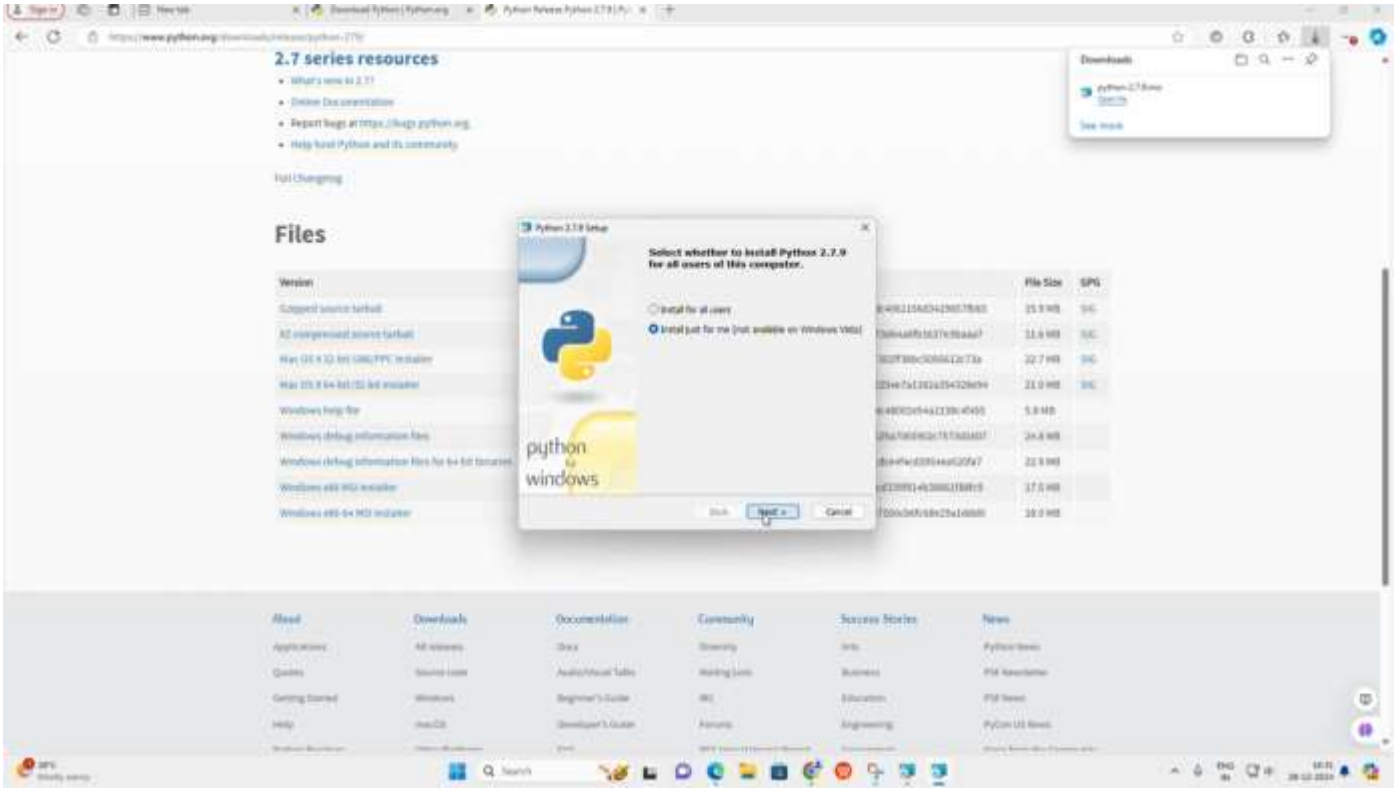


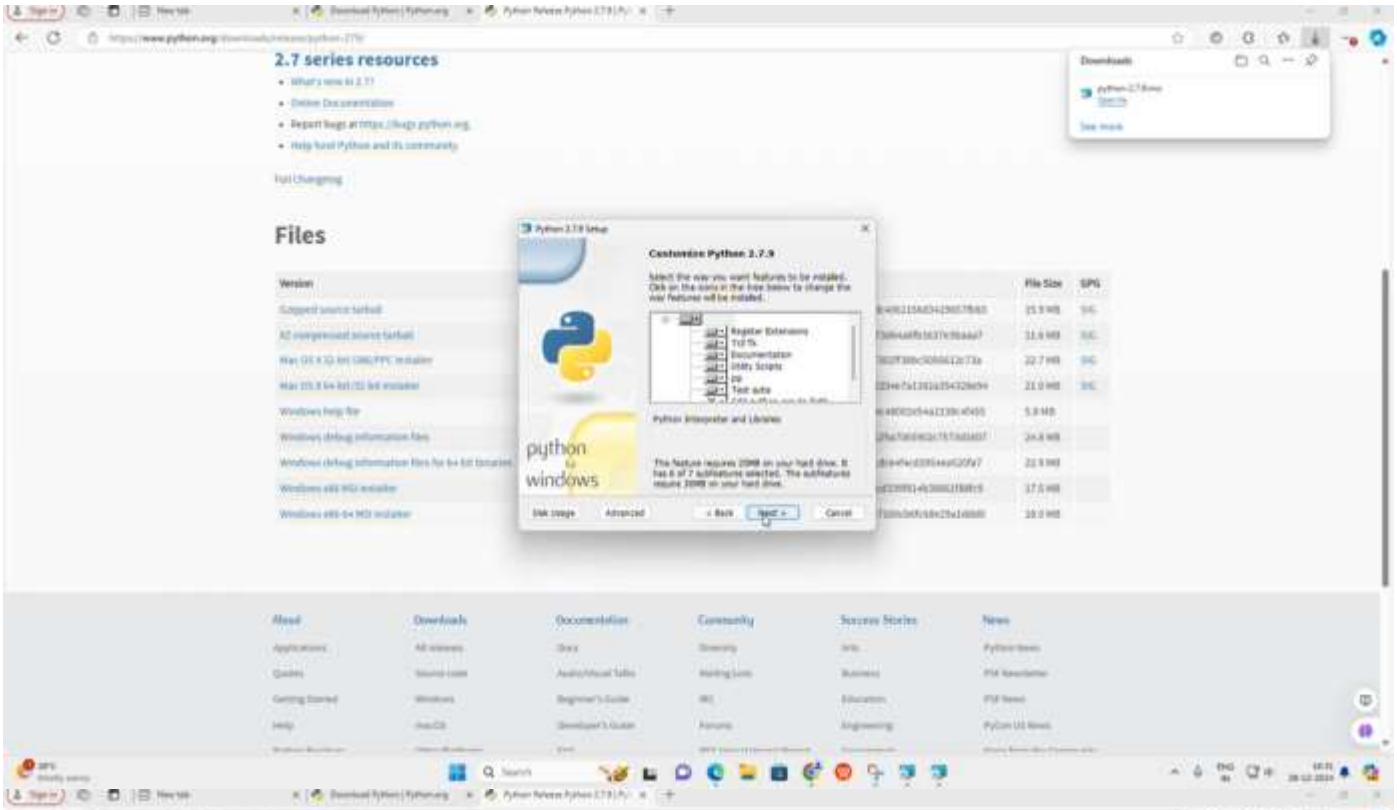
Download the x86 MSI installer

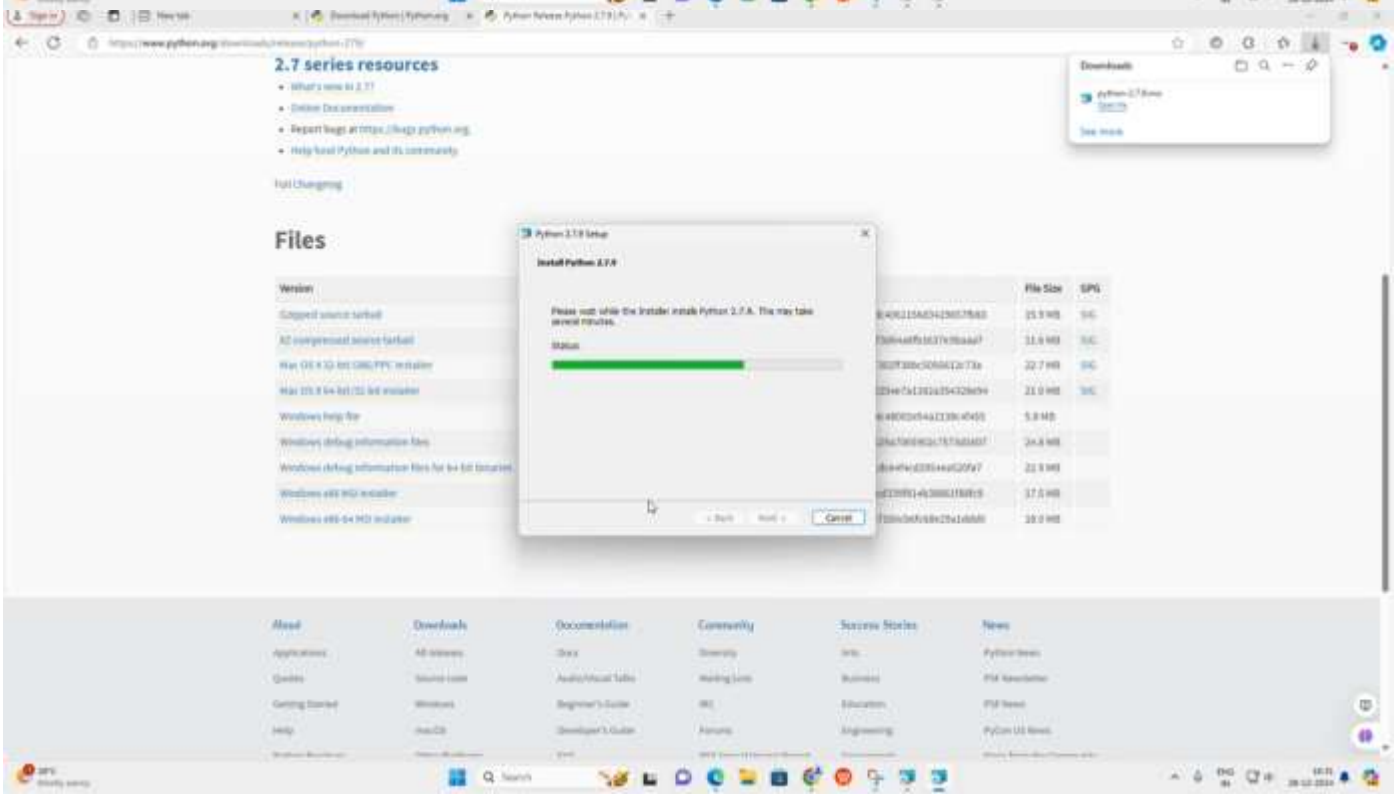


Then open the file and click on install just foe methen click on next-> next

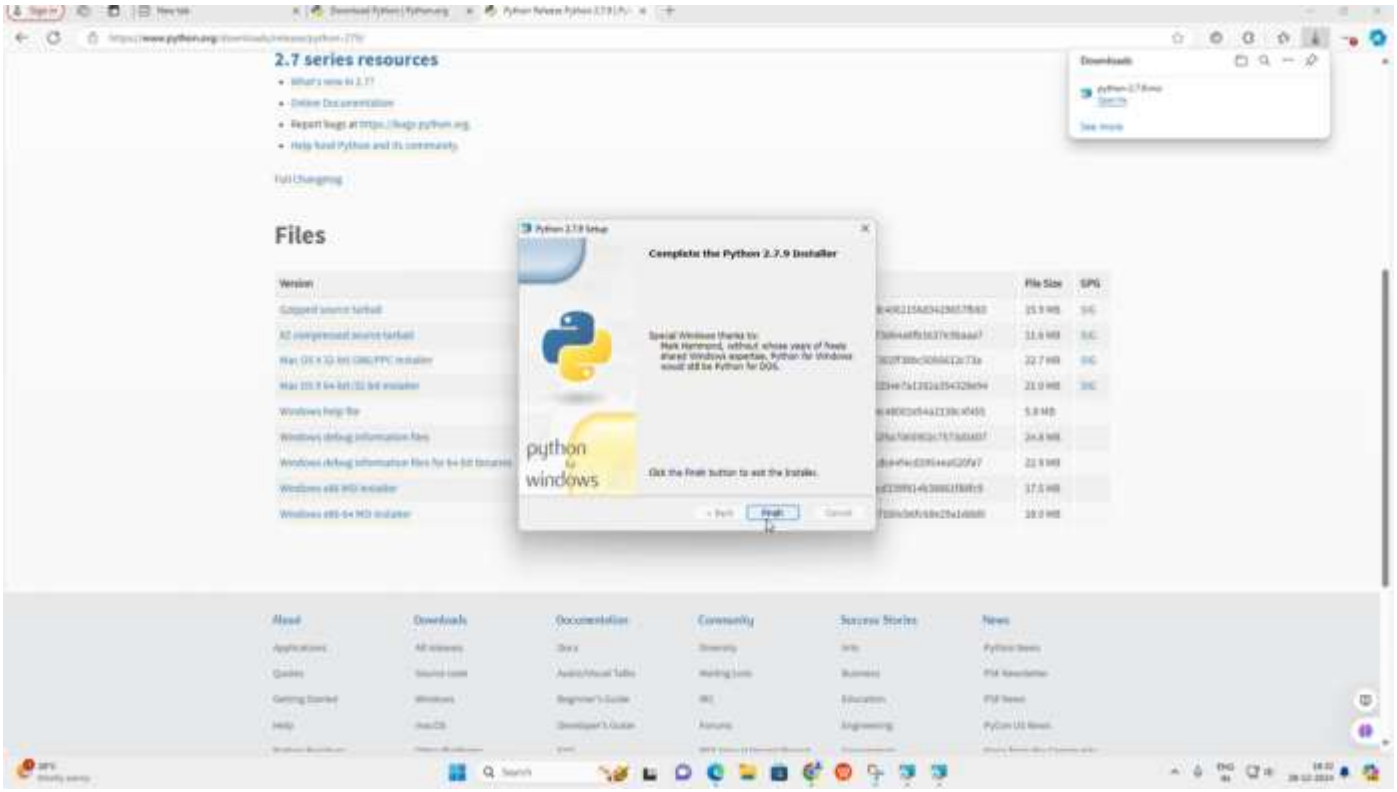




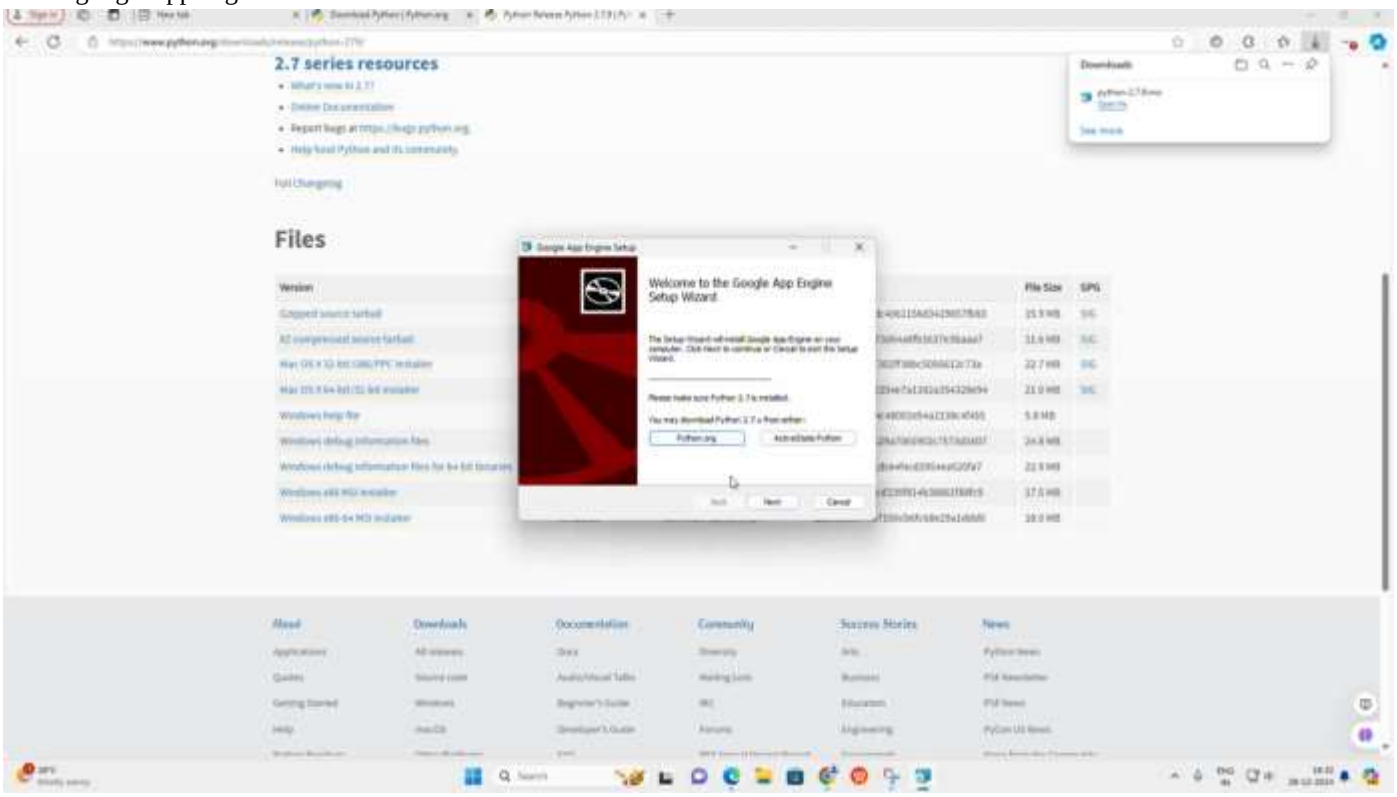

2.7 series resources
Files
Customize Python 2.7.9
python
windows


2.7 series resources
Files
Install Python 2.7.9

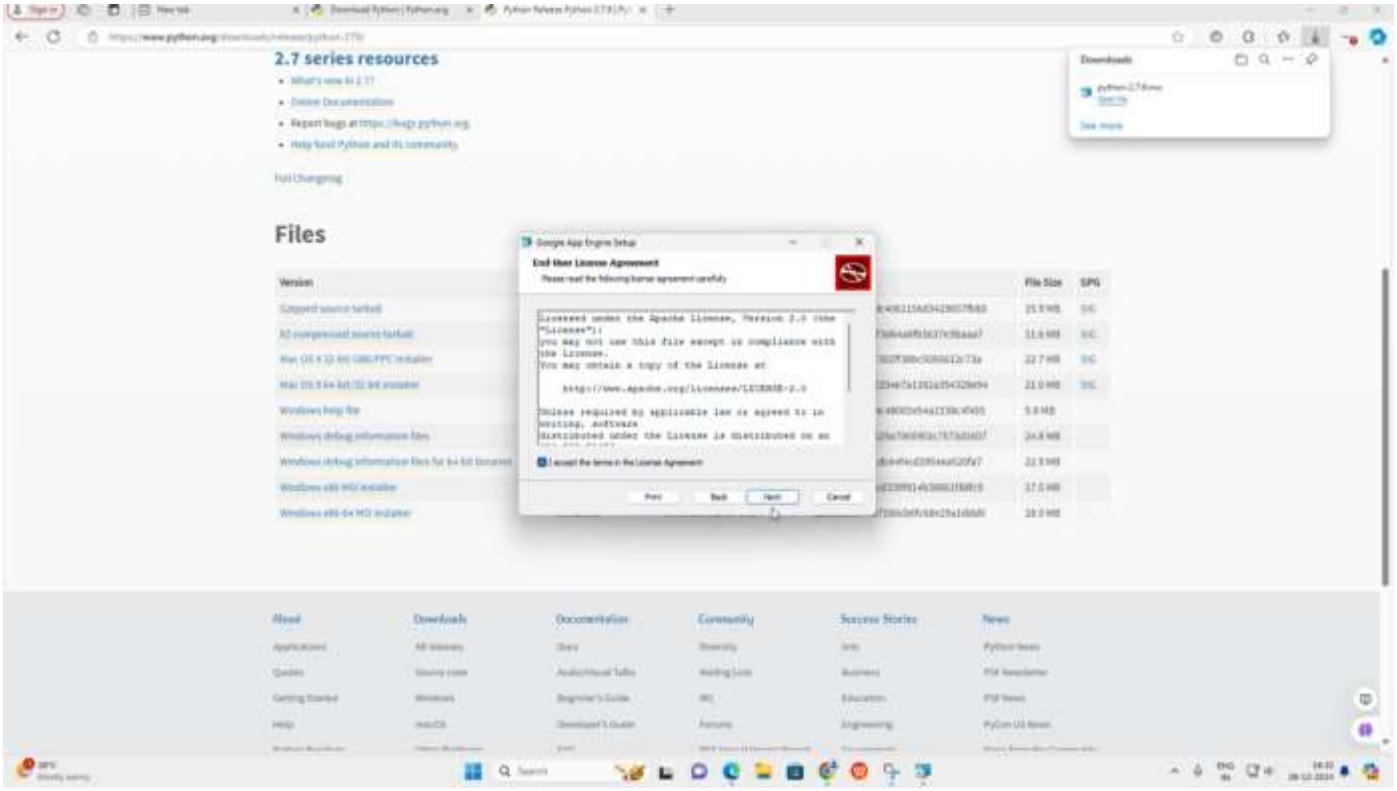
Click on finish



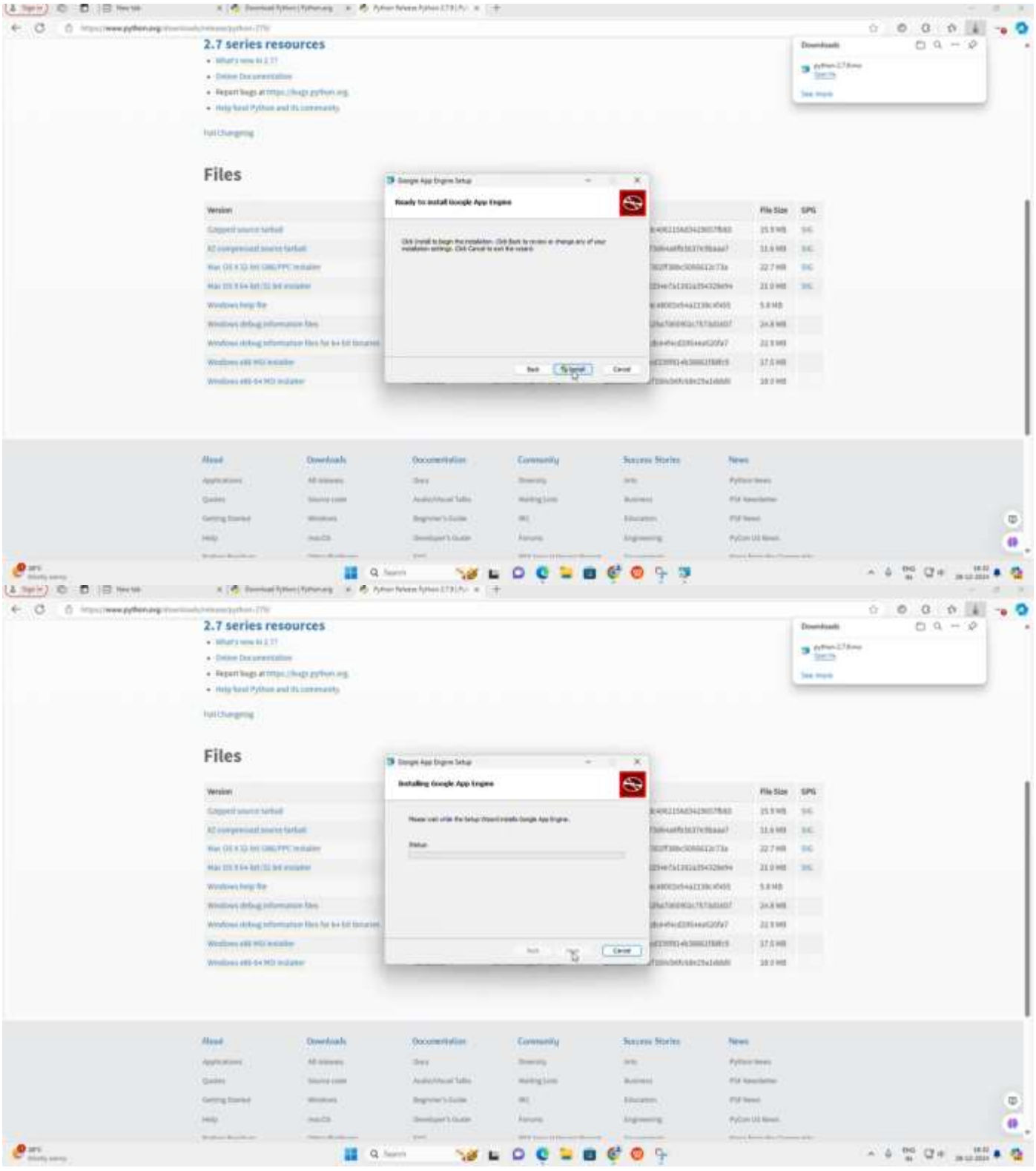
Go on google app engine file click on next



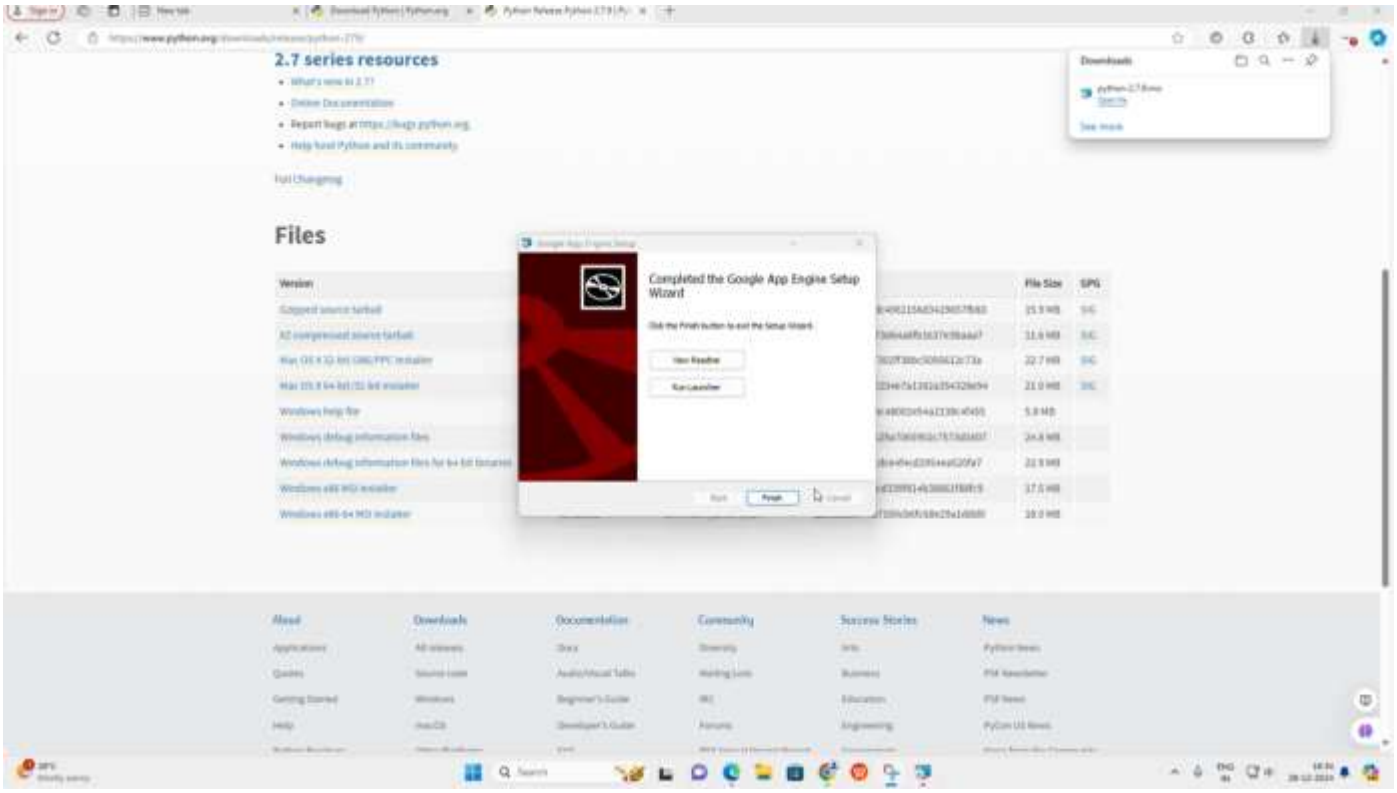
Click on I accepet check box then click on next



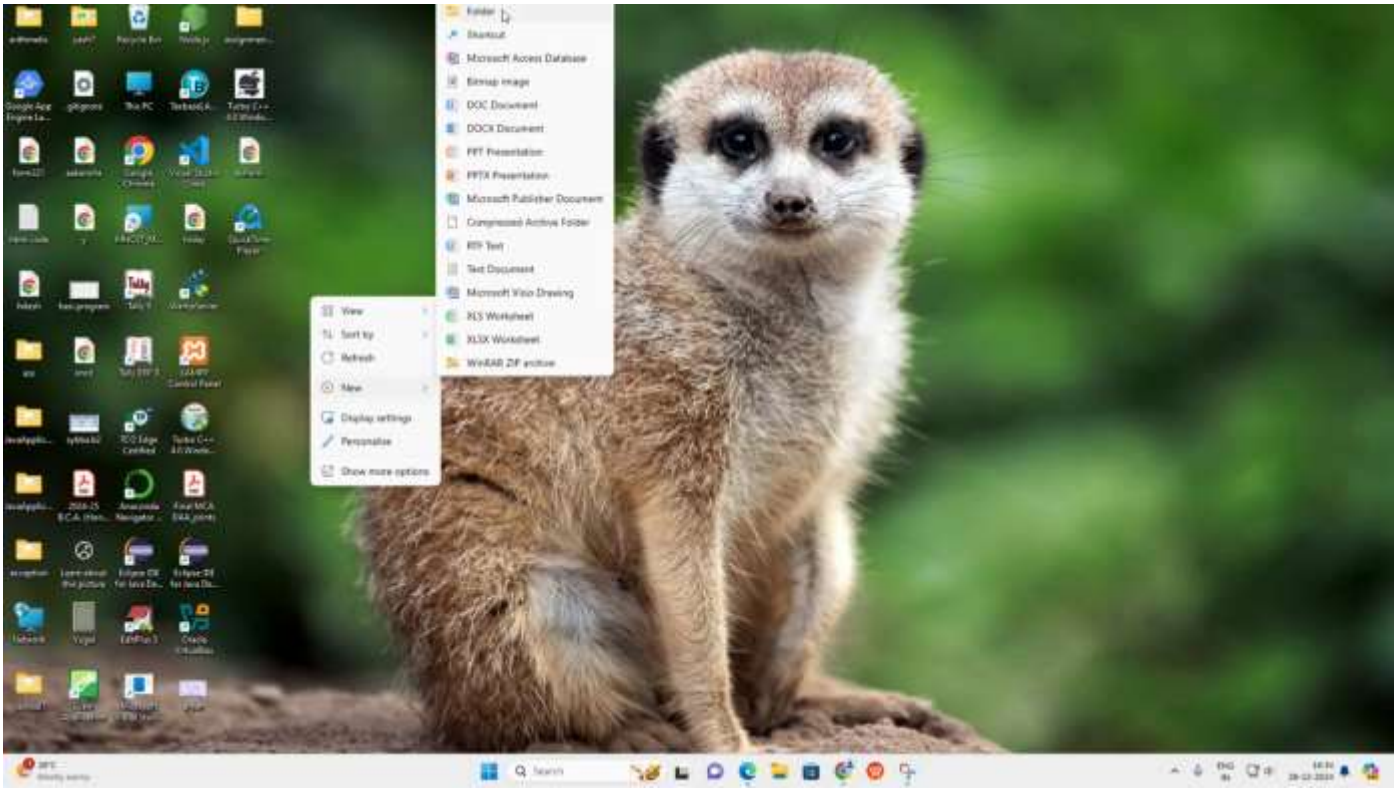
Click on install then click on next -> next



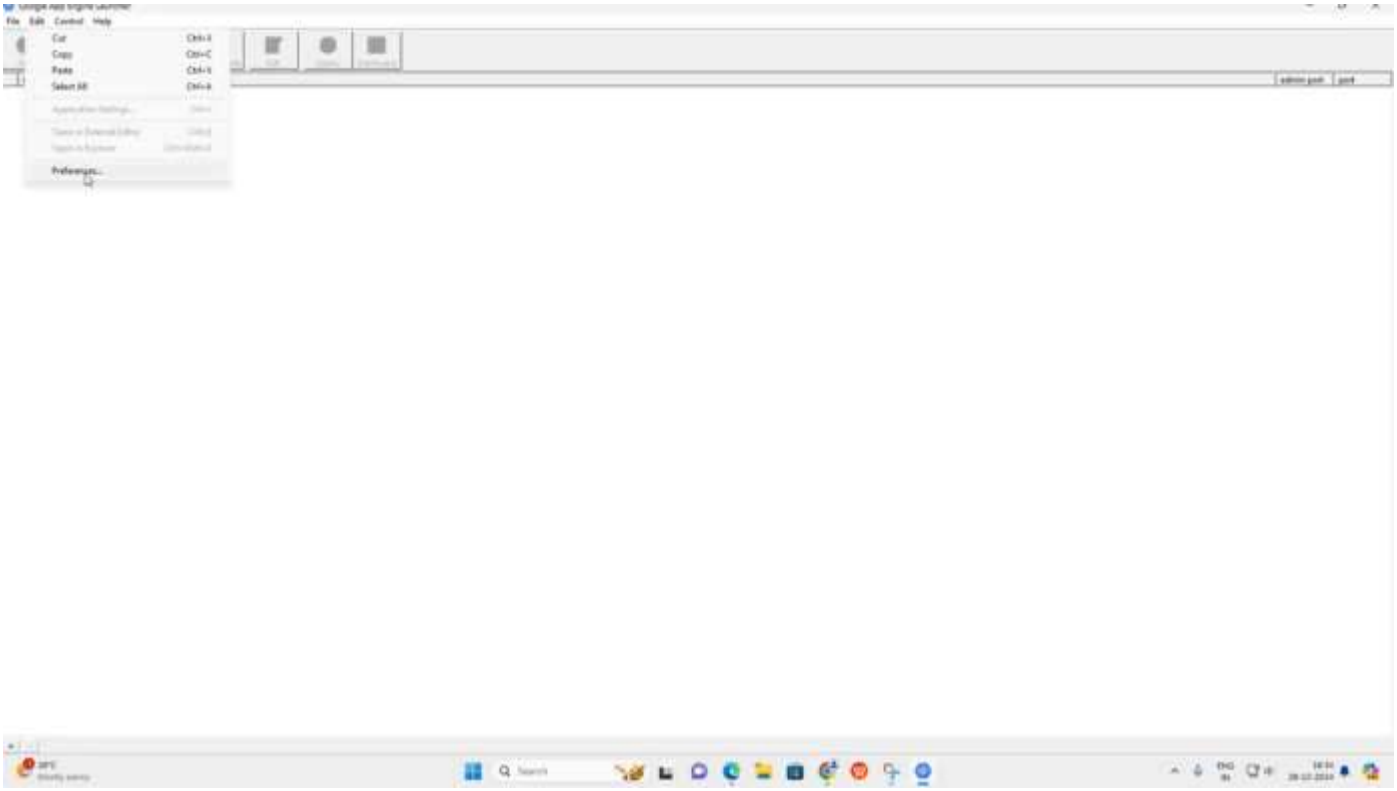
Click on finishe



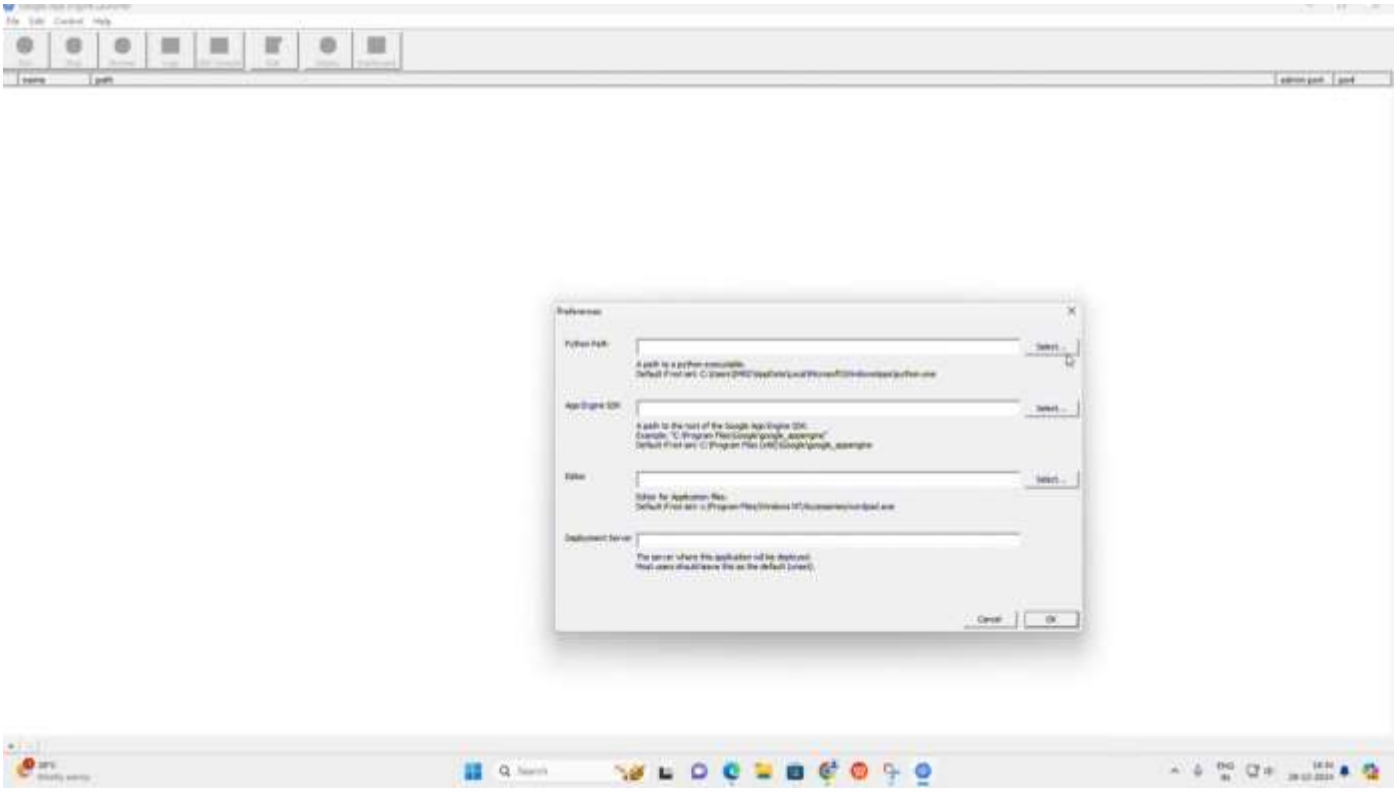
Create the new folder on desktop

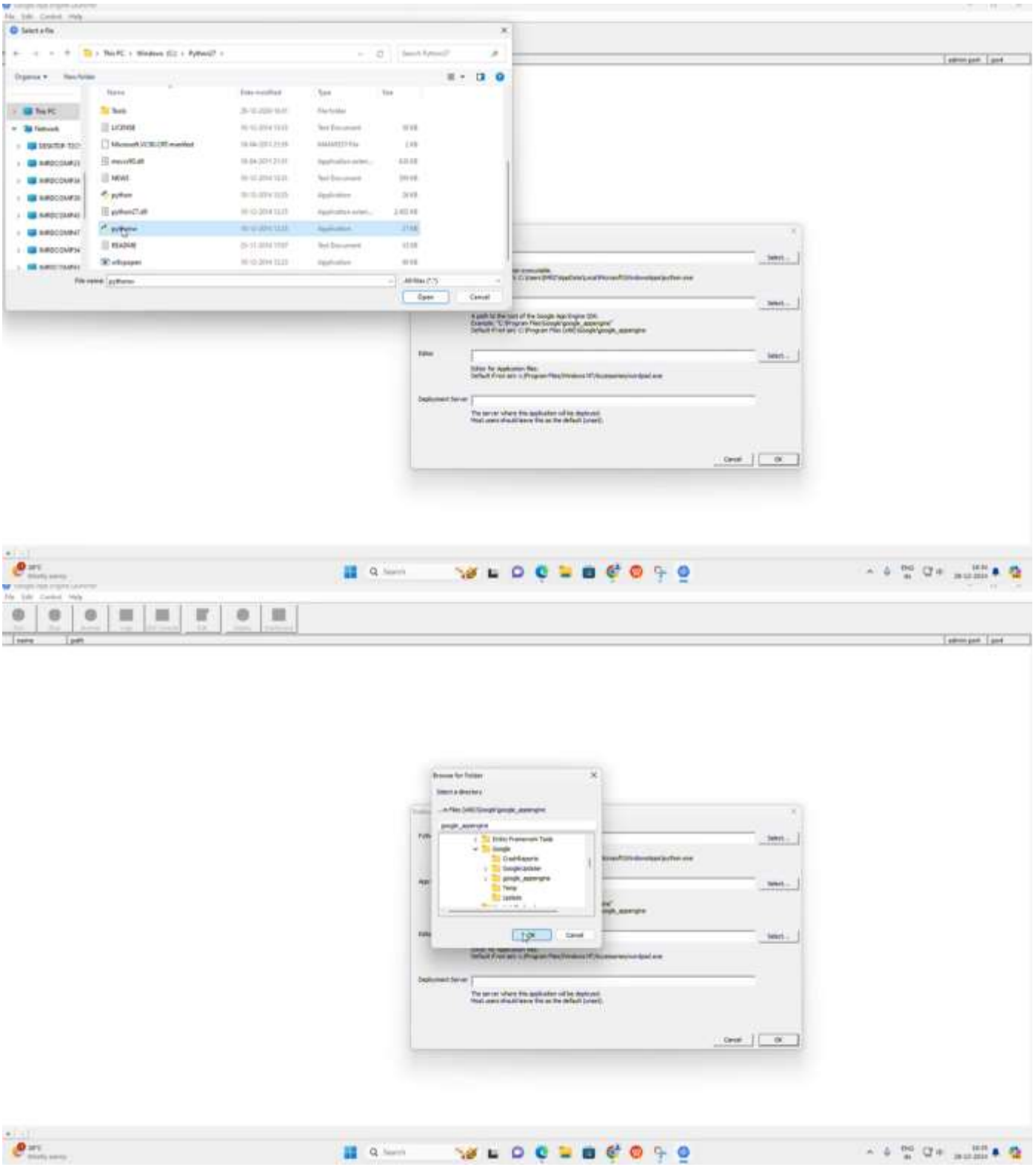


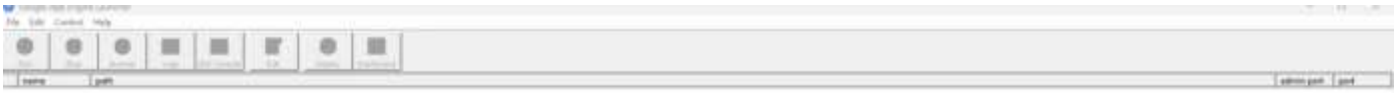
Go on google app engine click on edit then click on Preference

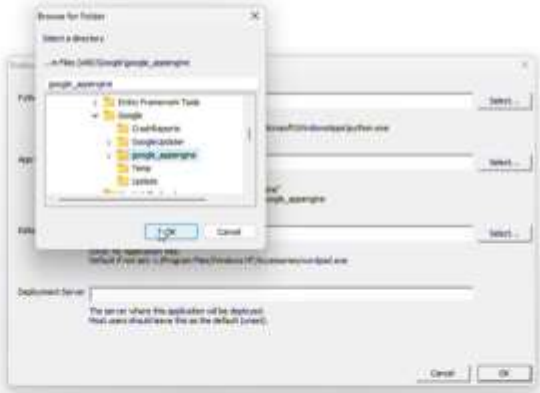


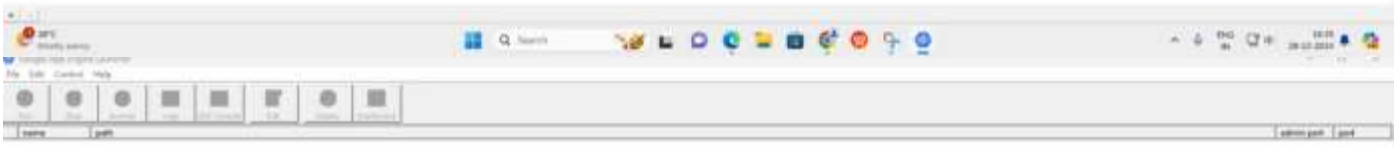
Select the python path the file name is python.exe then App engine SDK select the path



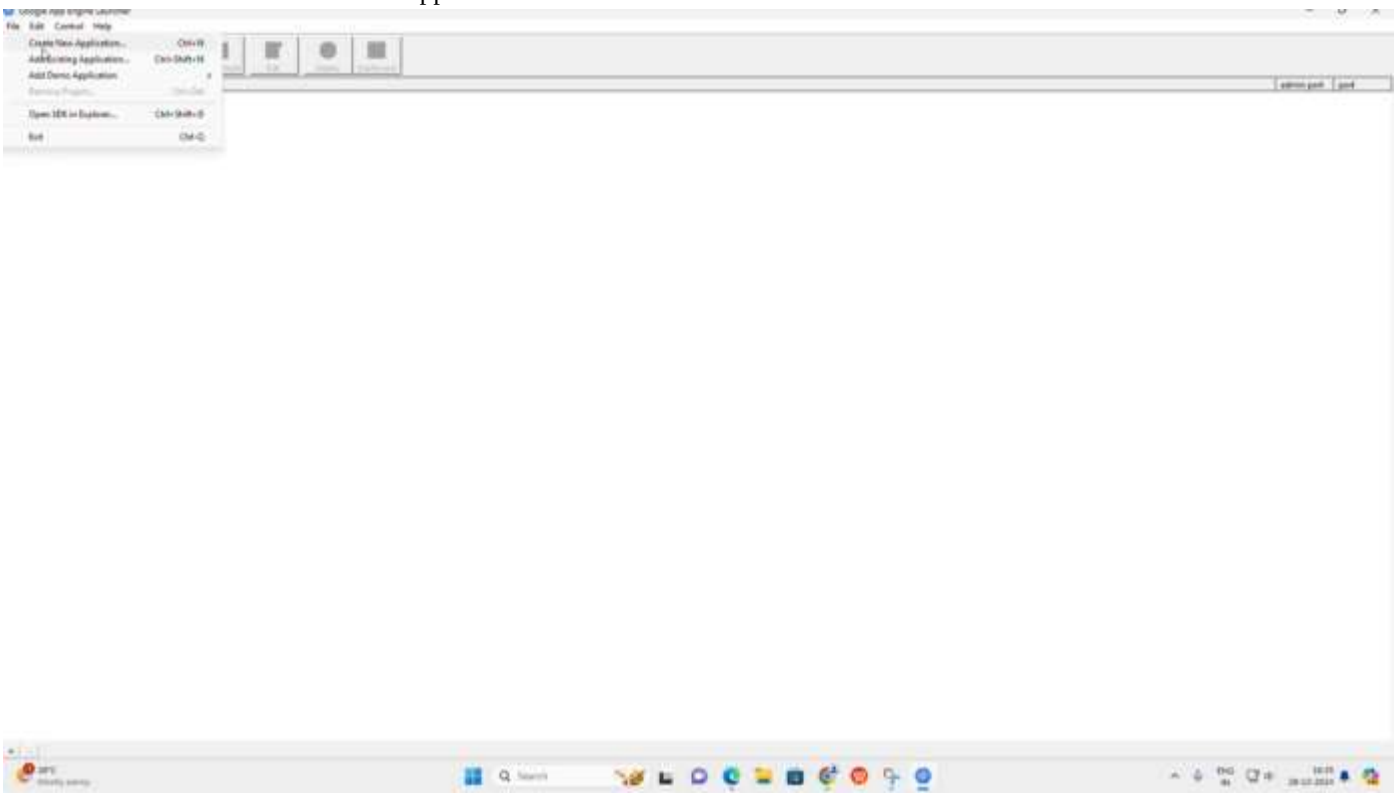




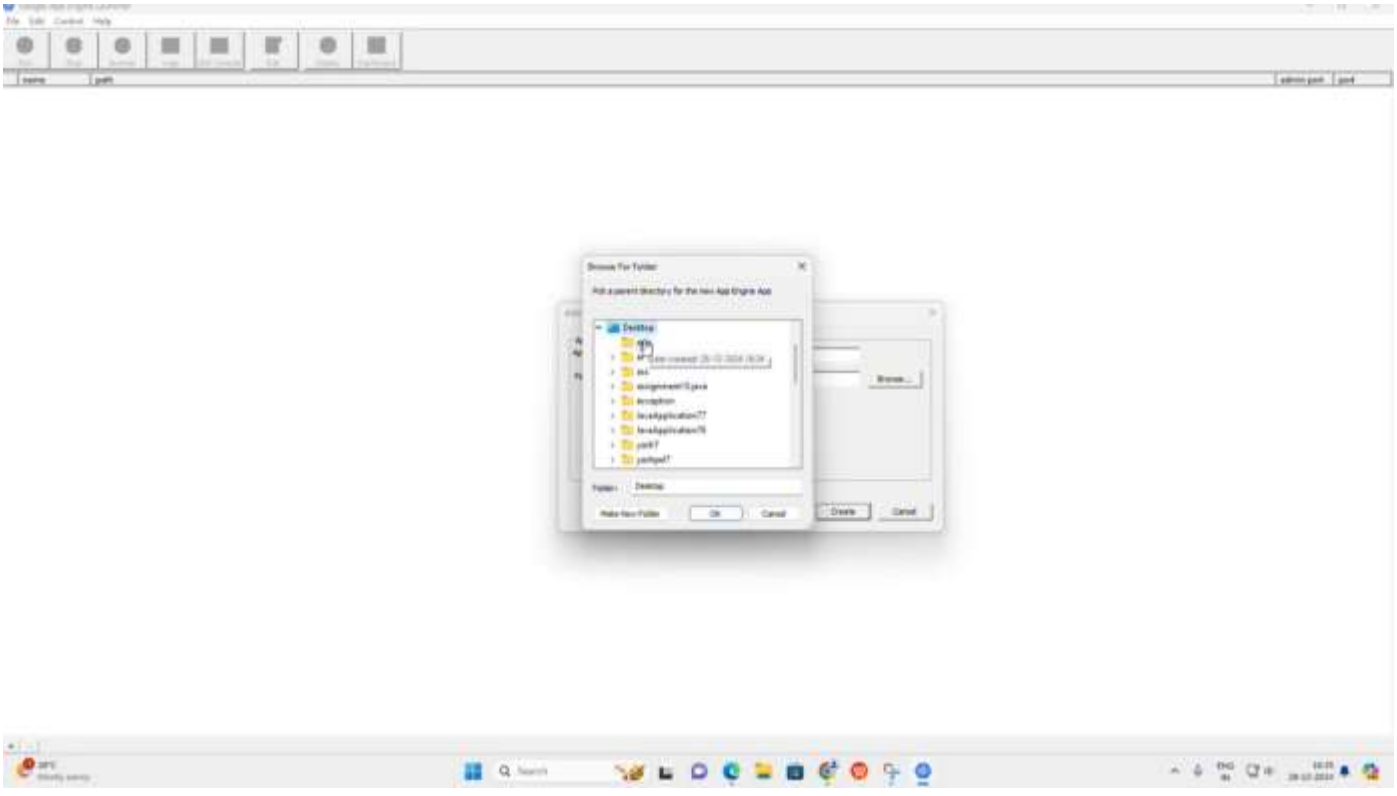




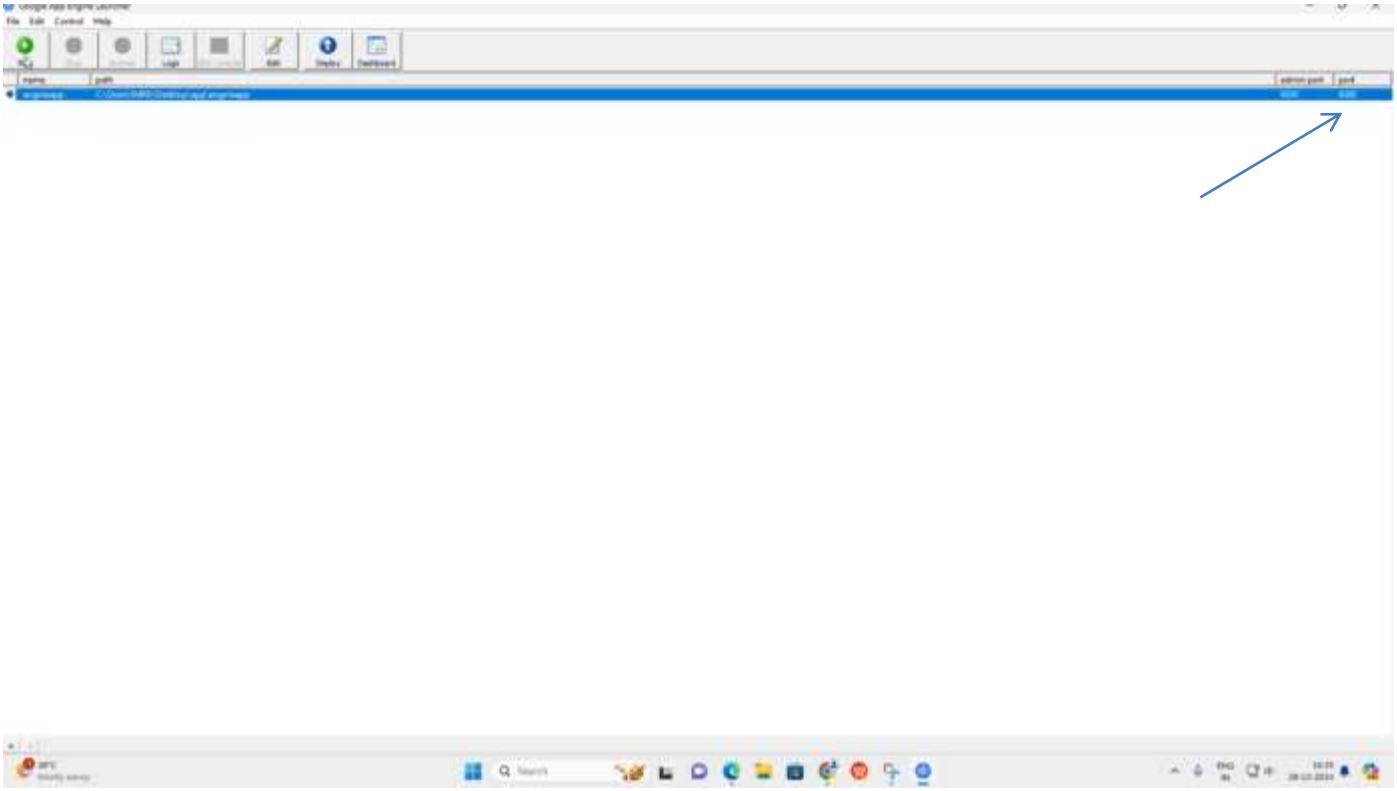
Click on file then click on create new application



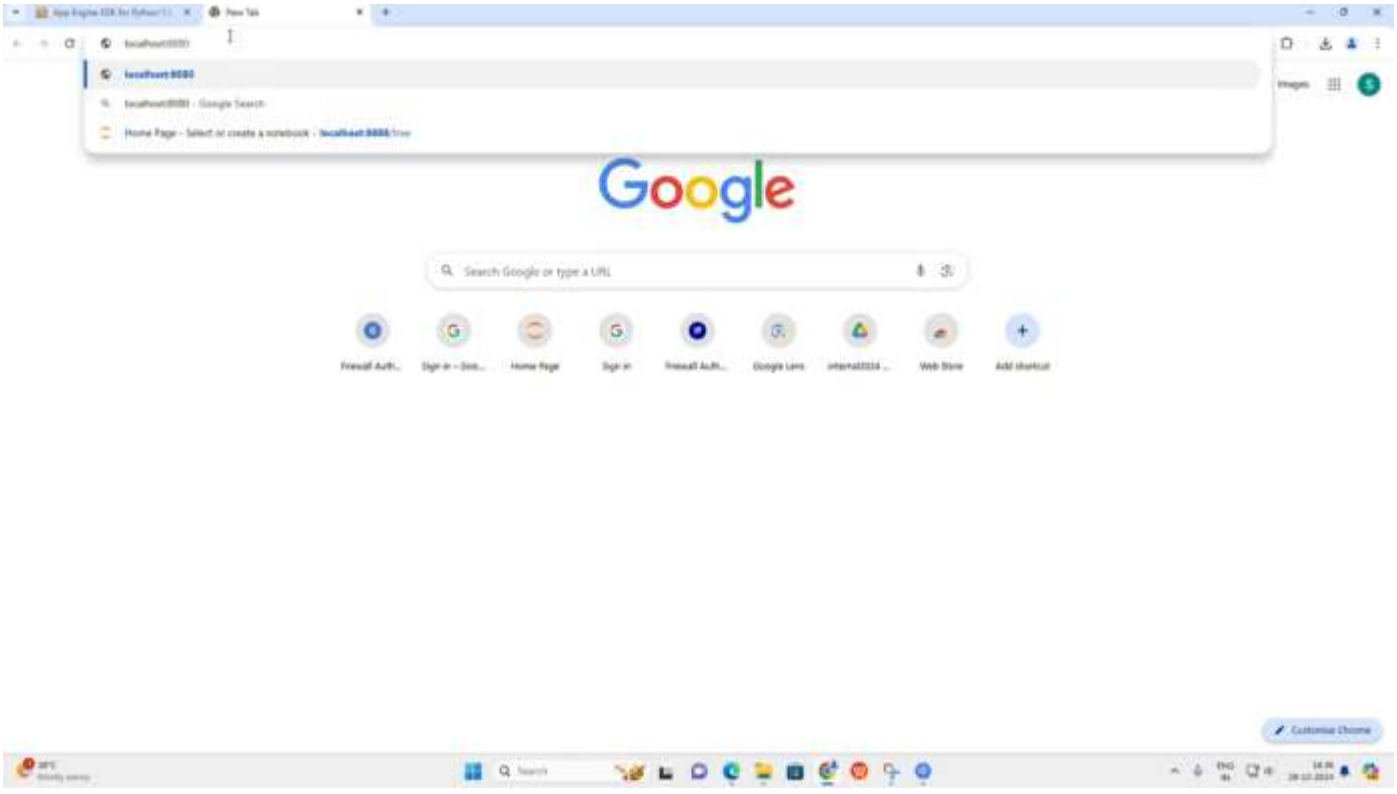
Then select file on desktop created folder (app)

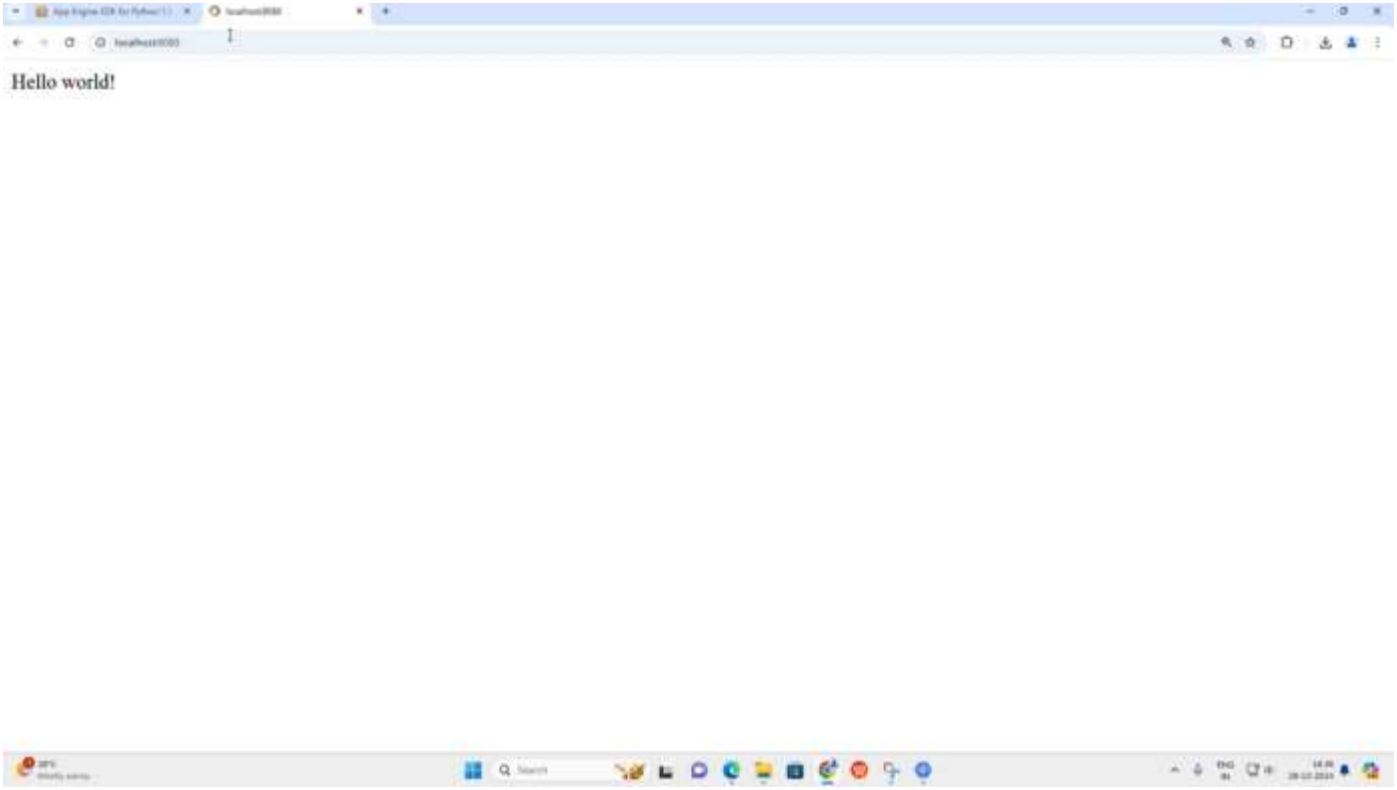


Then click on appengine and Run it and check the port (localhost:8080)



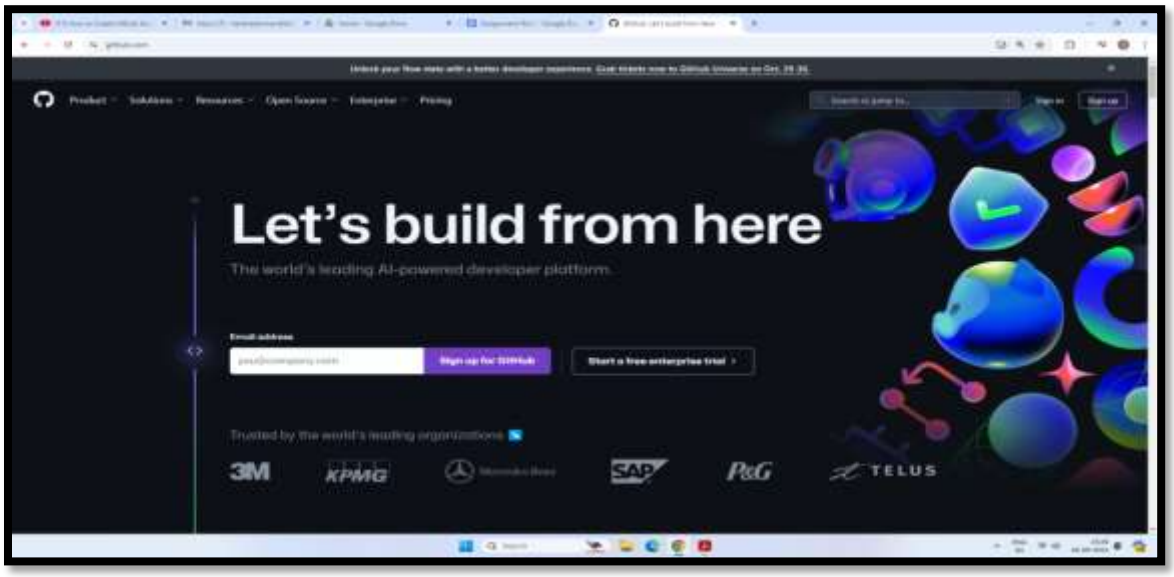
Search on google localhost:8080 then enter



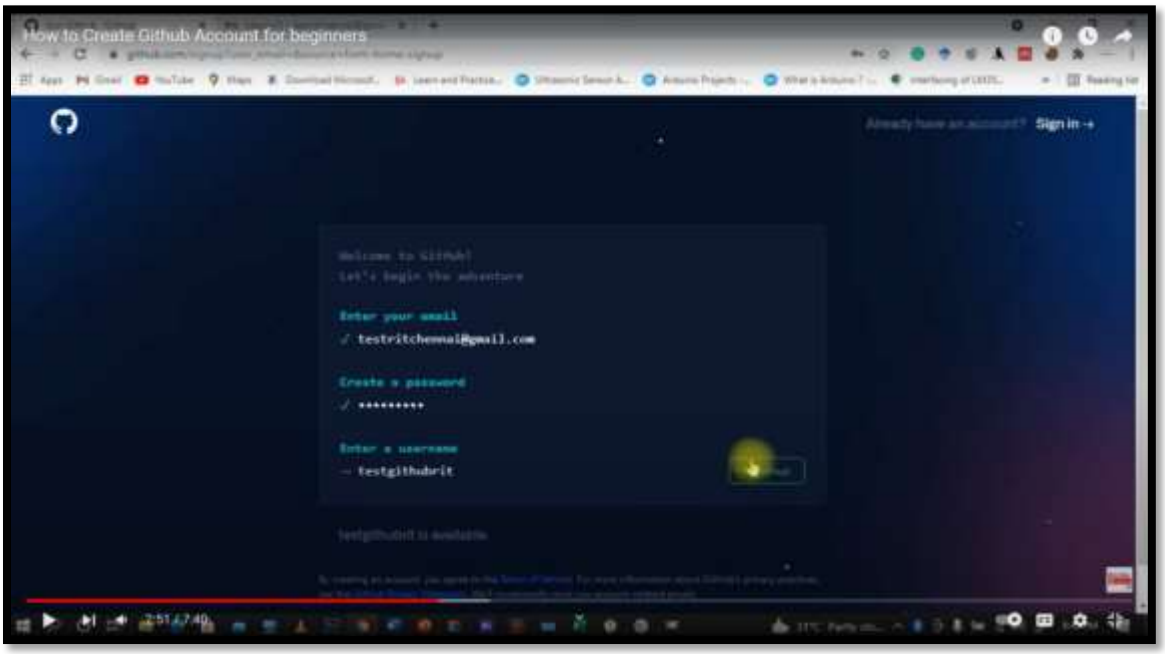

Hello world!

Assignment No. 4: Setting Up a Simple Website on GitHub.

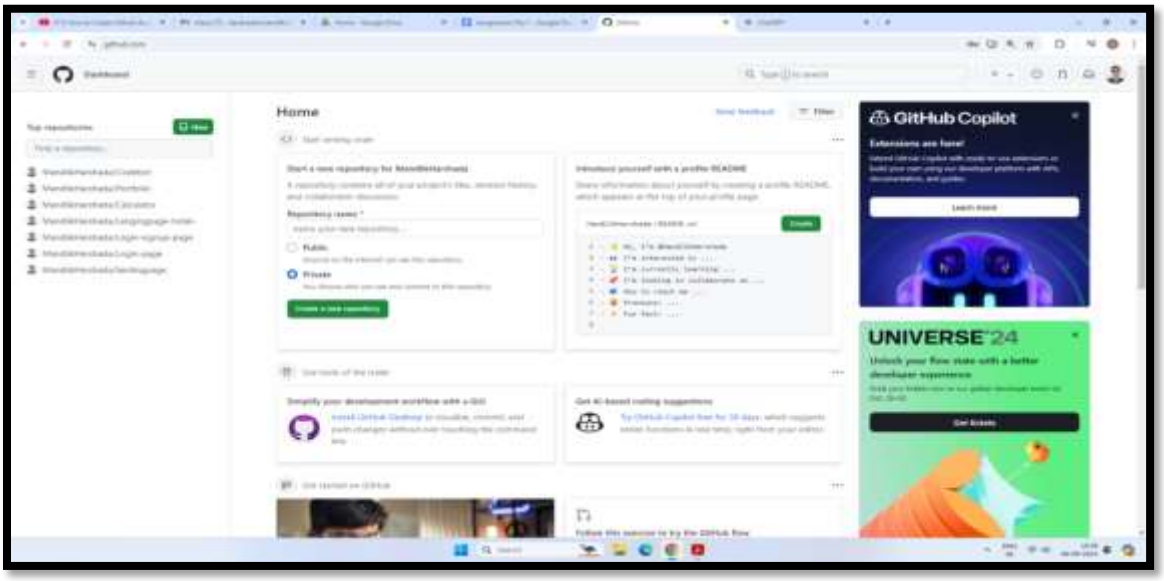
Step1: Open GitHub website.



Step2: Click on sign in button on top of right and create your account with your details.

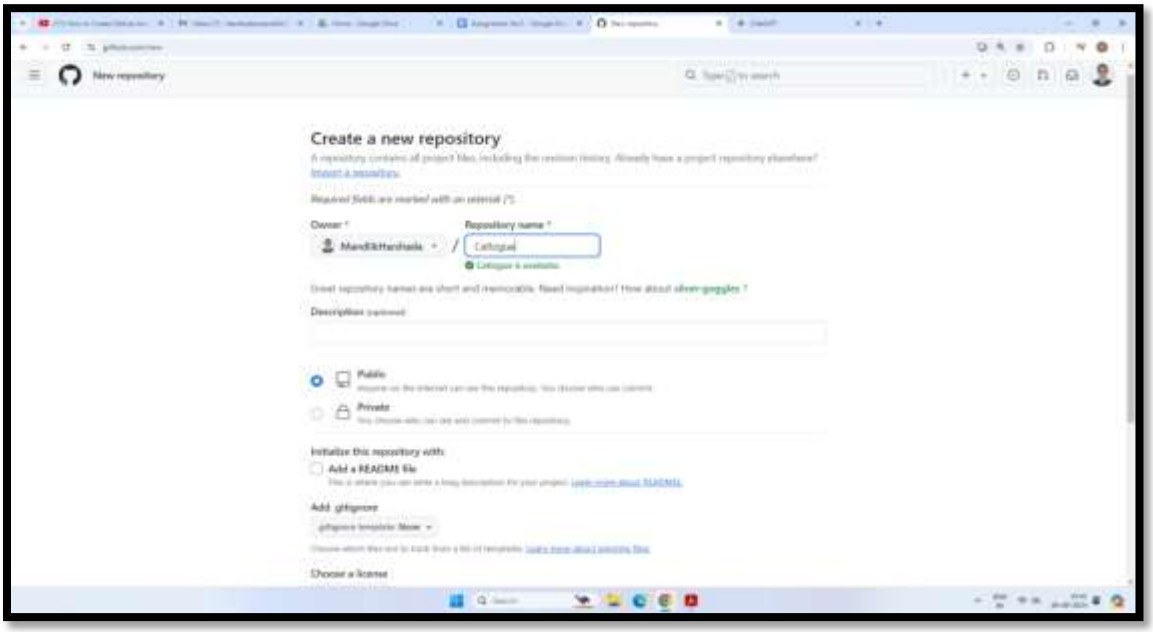


Step 3: Finally the account is created.

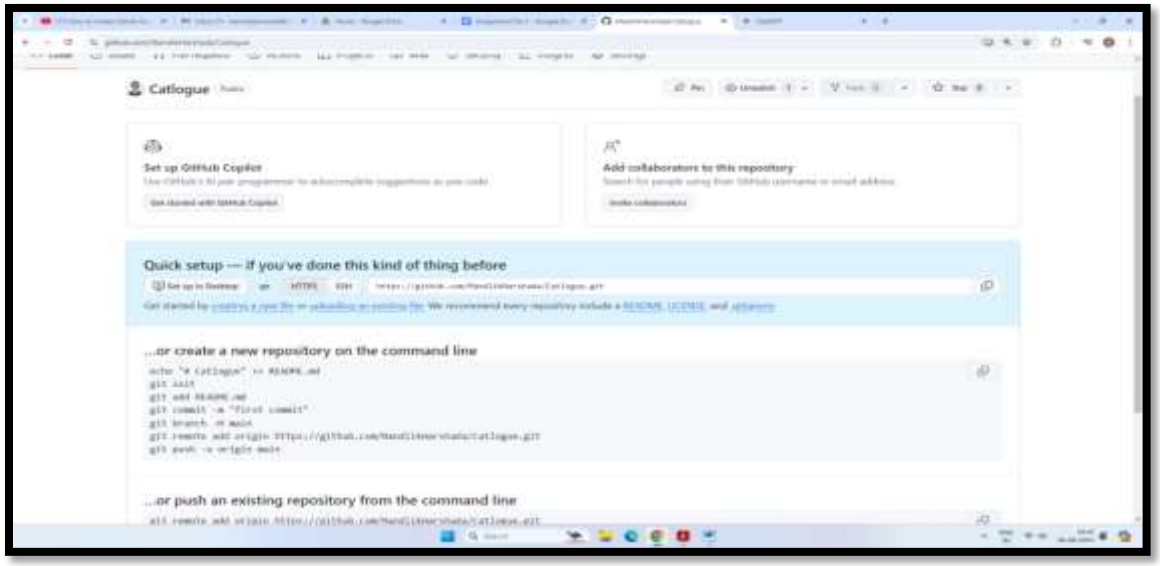


- **To deploy a static website on GitHub Pages.**

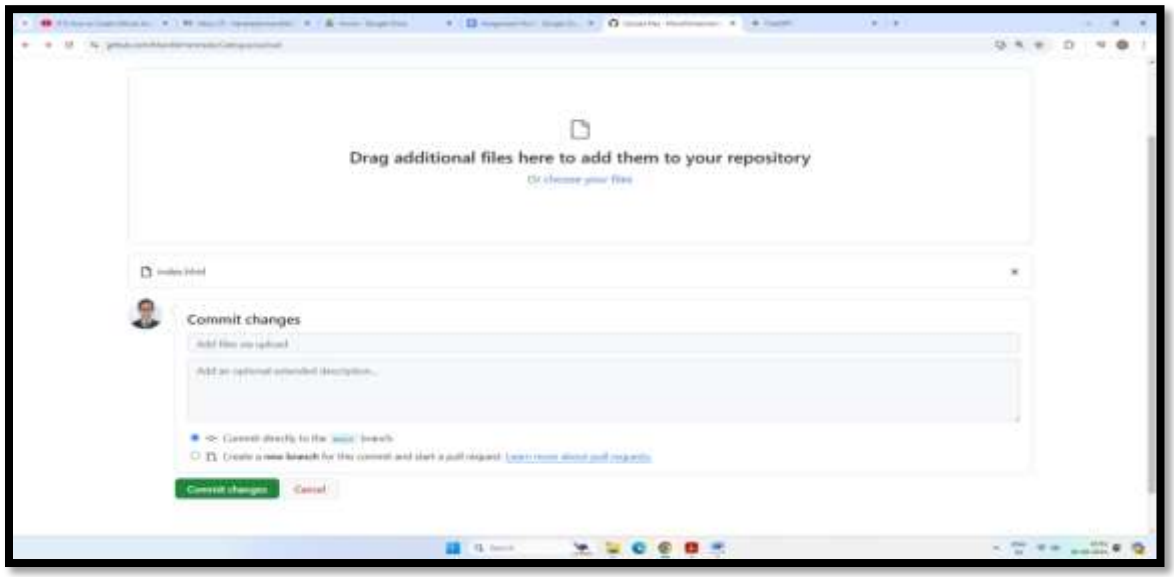
Step1: Click on the "+" icon in the top right corner and select "New repository."



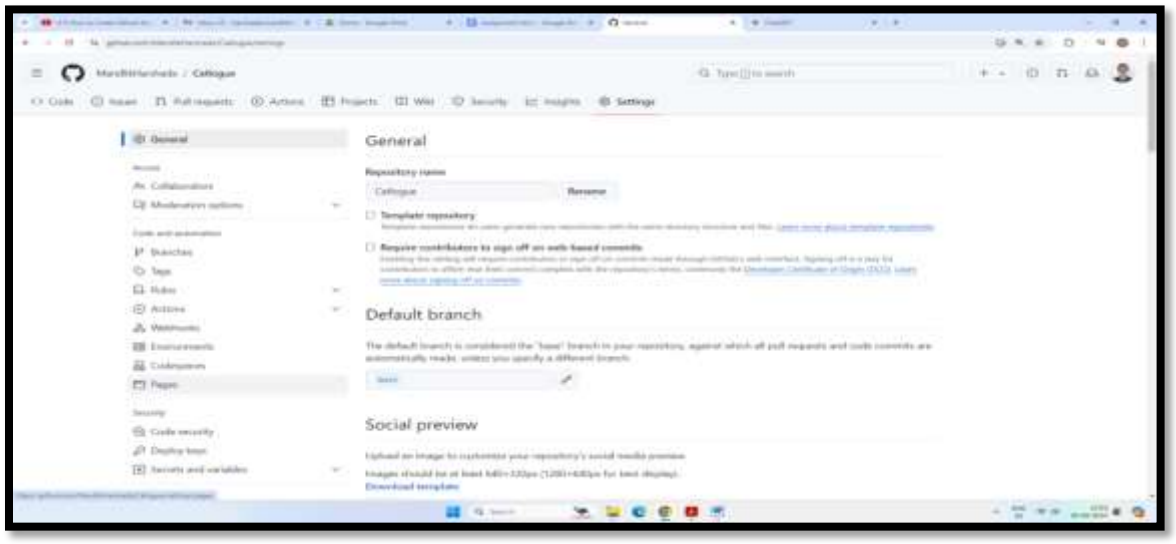
Step2: On your newly created repository page, click on "Add file" > "Upload files."
Drag and drop your HTML, CSS, and JavaScript files into the upload area. Make sure you have an *index.html* file as this will be the homepage.



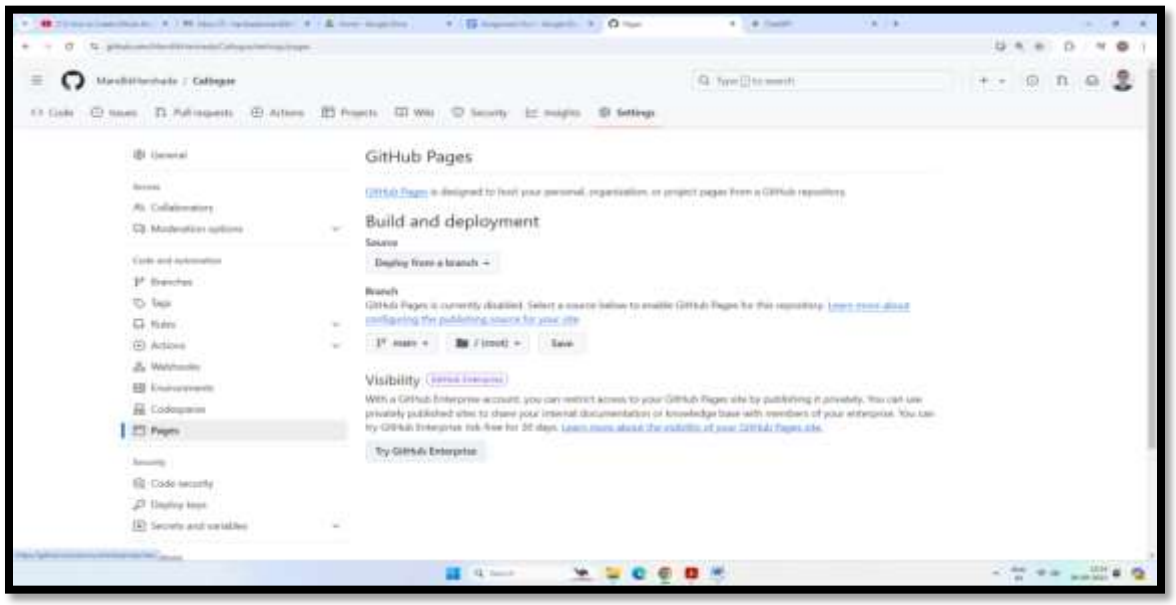
Step3: Click on commit changes button.



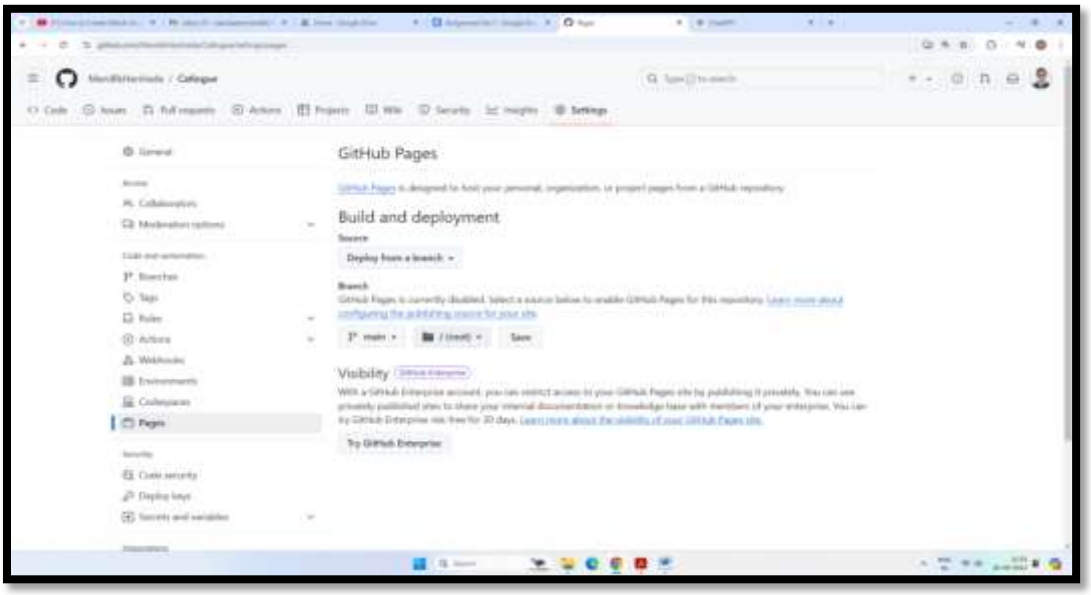
Step4: Go to the "Settings" tab of your repository.



Step5: Scroll down to the "Pages" section (on the left sidebar).

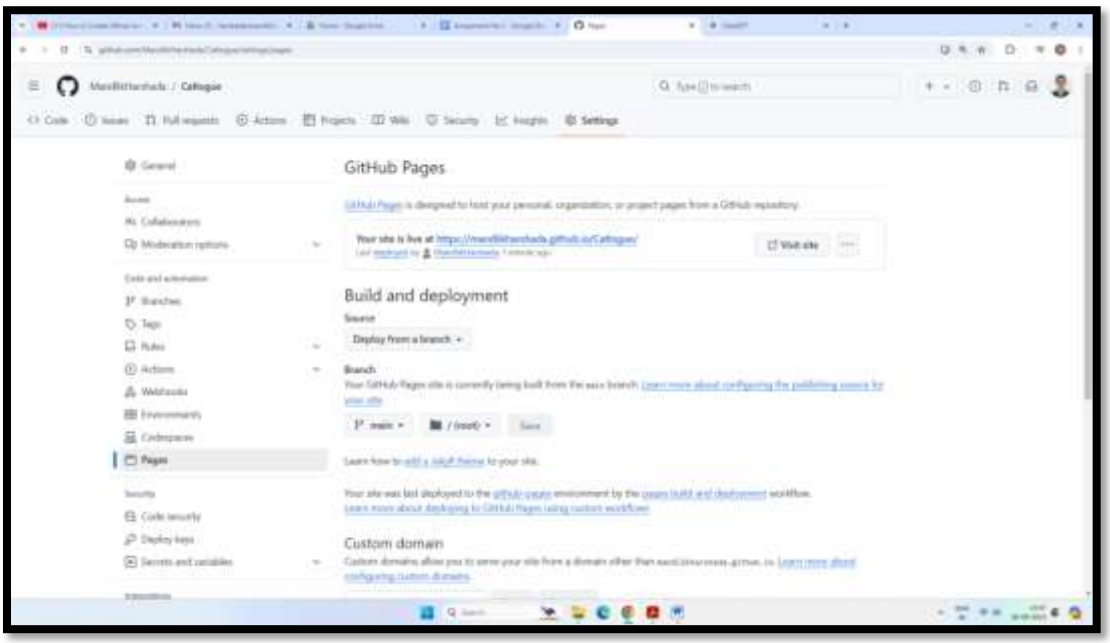


Step6: Under "Source," select the branch (usually *main*) and then the root folder */* for your site.

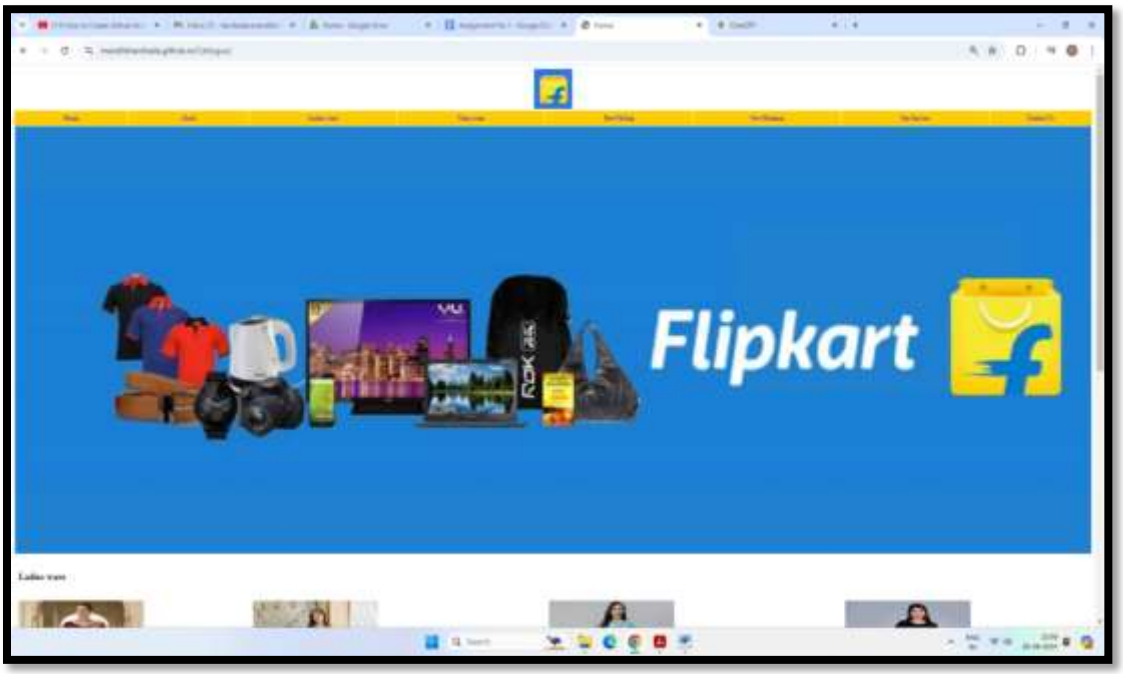


Step7: Click "Save."

Step8: After a few moments, your website will be available at *https://username.github.io* (replace *username* with your actual GitHub username).



Step9: Final output.

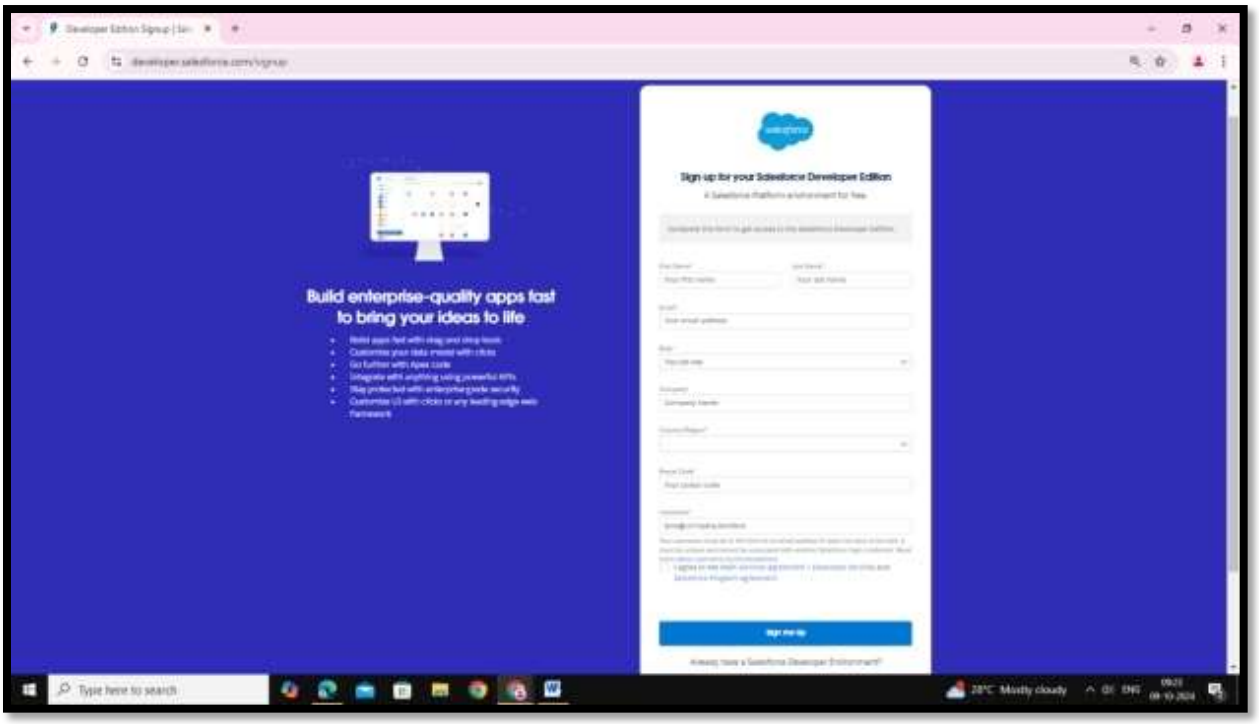


Assignment no.5: Introduction to cloud CRM (Salesforce):

CRM : is a technology that helps businesses organise and track customer interactions across their company by collecting and analysing relevant customer-related data. This information lives in a centralised location, providing a single view of each customer across all teams within an organisation.

Modern CRMs are hosted in the cloud, providing easy access to information, faster processing speeds, and the flexibility to scale quickly to meet an organisation's changing needs.

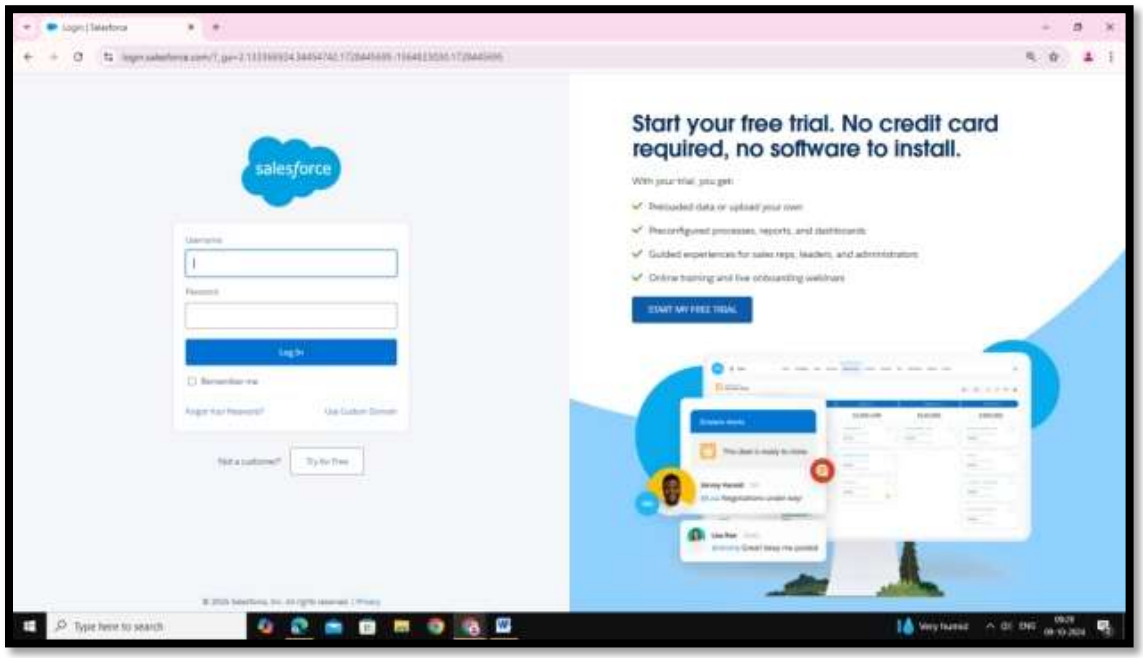
Step 1: open the Developers Edition signup as a Developer(using developers.salesforce.com)



step 2: fill the related information and click on sign me up.

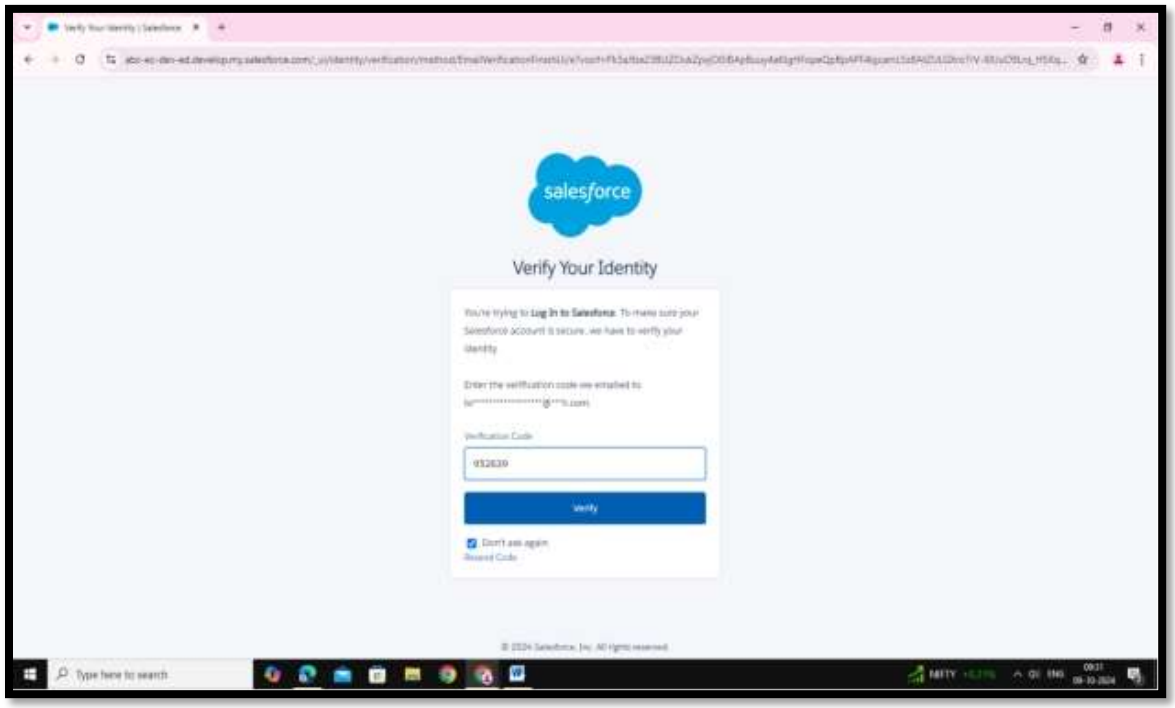
step 3: Click on login which located below the sign me up.

step 3: Click on login which located below the sign me up.



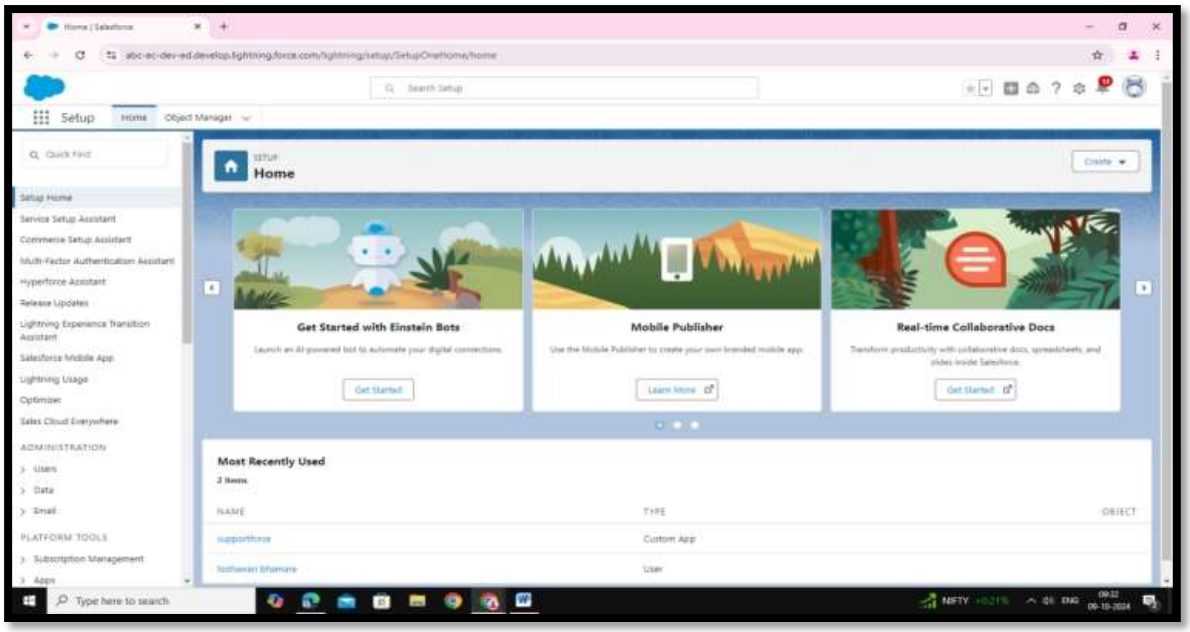
step 4: enter your username and password then click on login.

step 5: if we successfully login, then salesforce provide verification code to our login email.



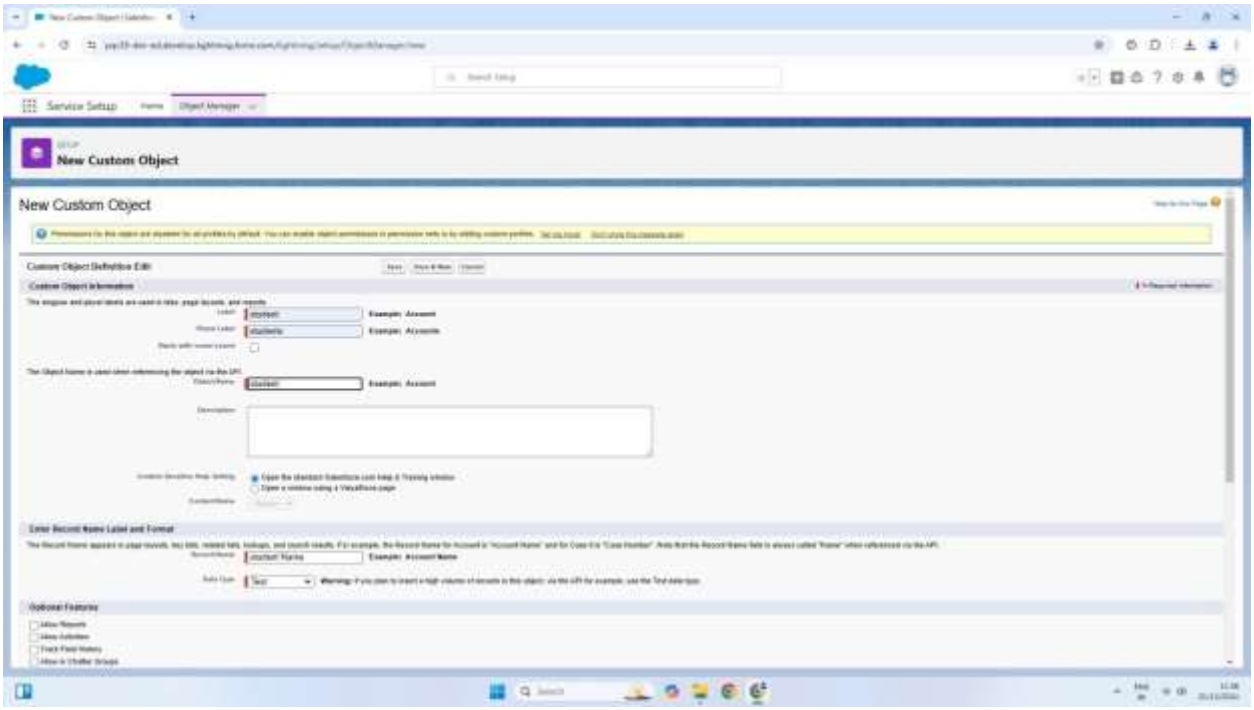
step 6: Enter verification code and click on verify.

step 7: if we successfully verified then it directly goes on salesforce home page.

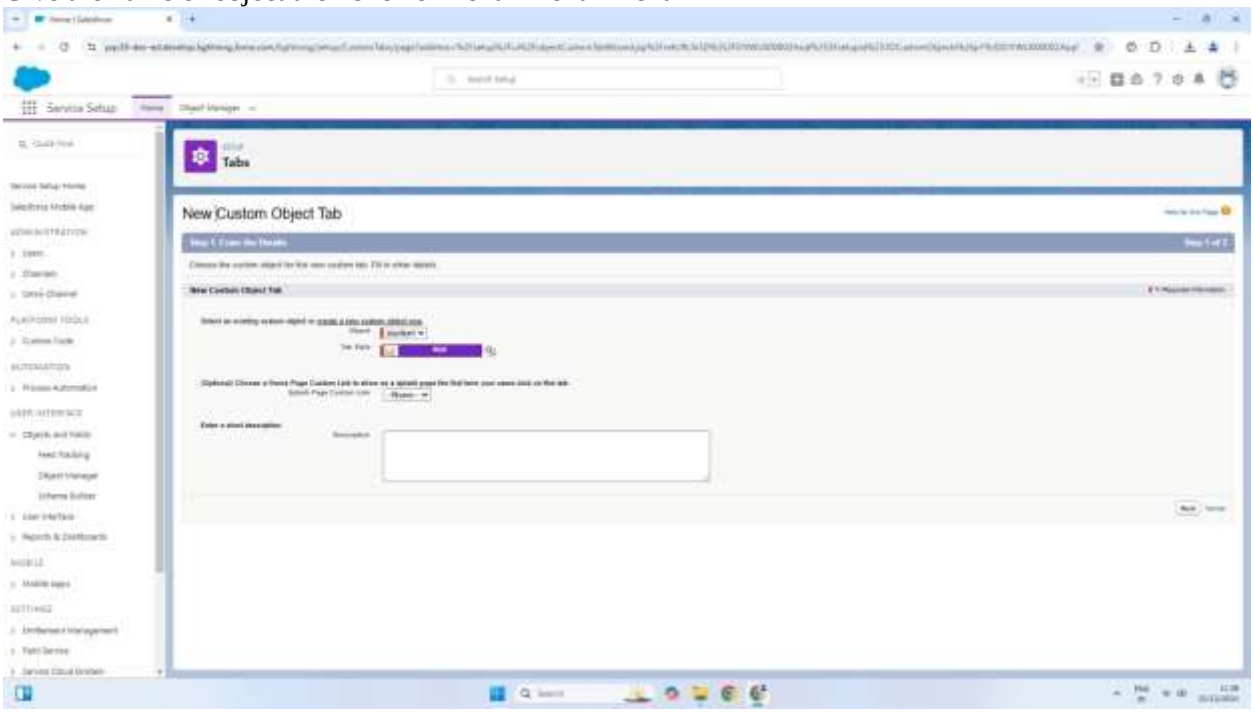


Practical no: 6 Create Reports, Dashboards, and use different chart types to visualize data effectively using Sales force.

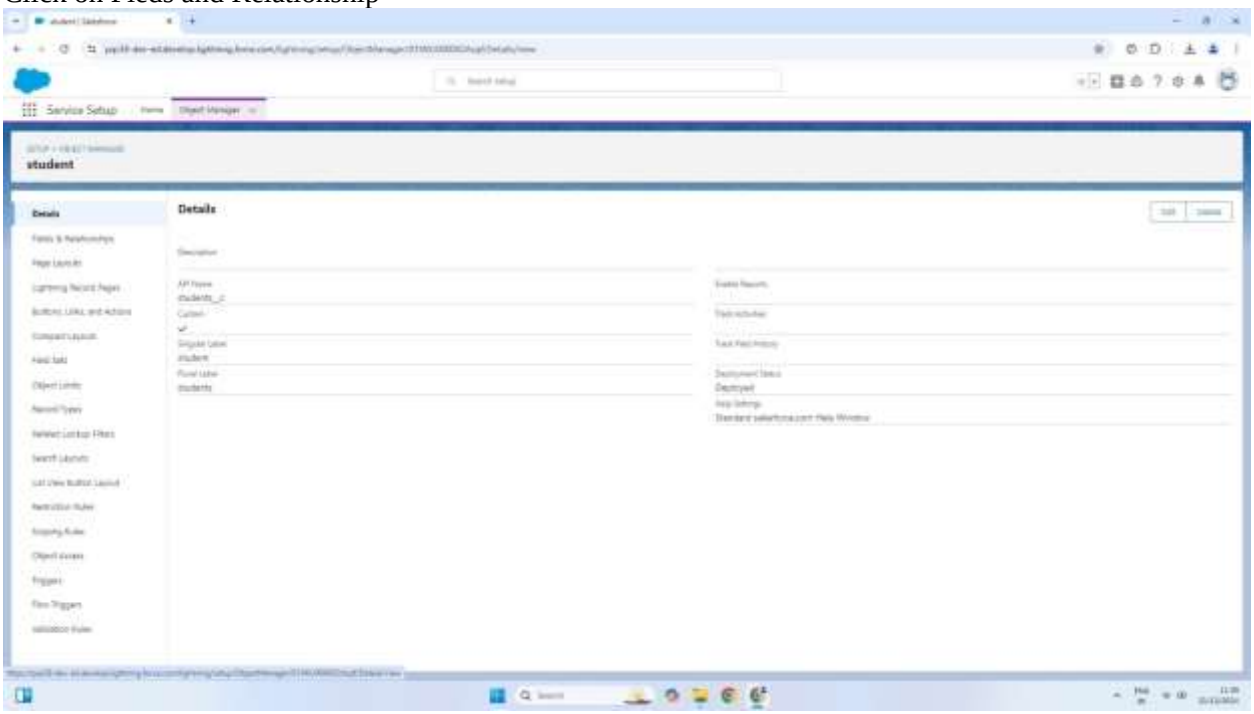
Step 1: Login on saleforces then create the object



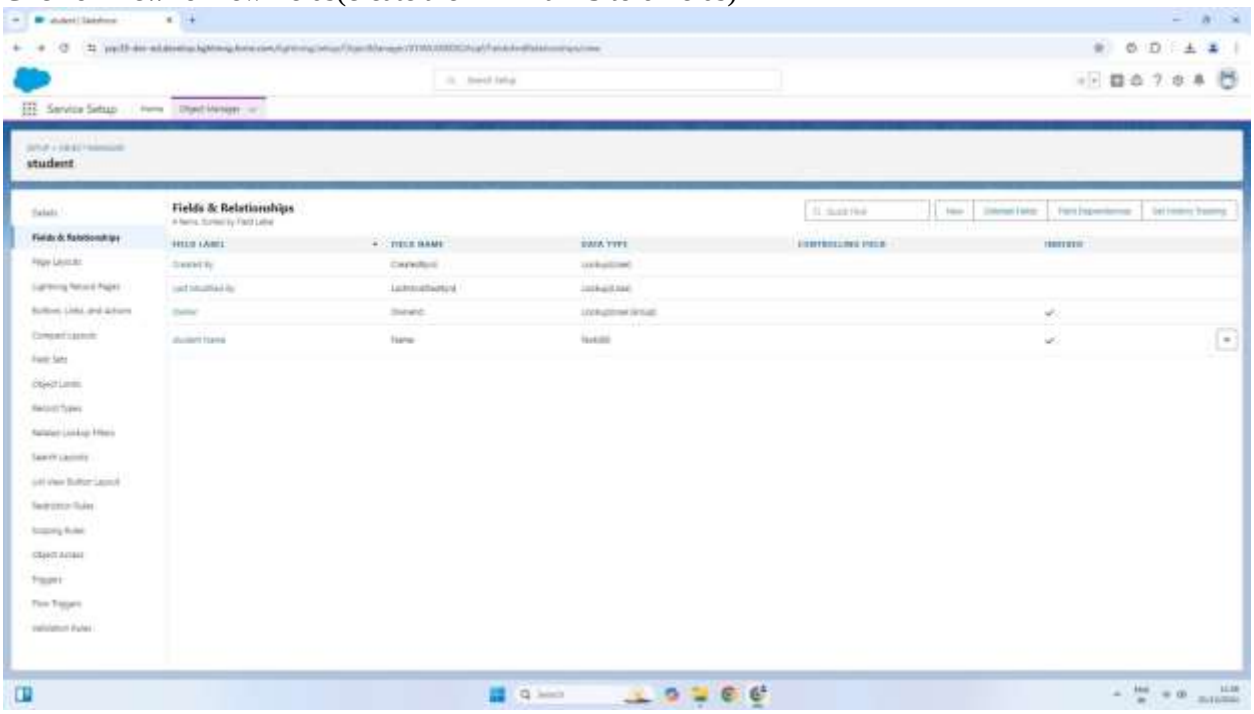
Give the name of object then click on next-> next-> next->



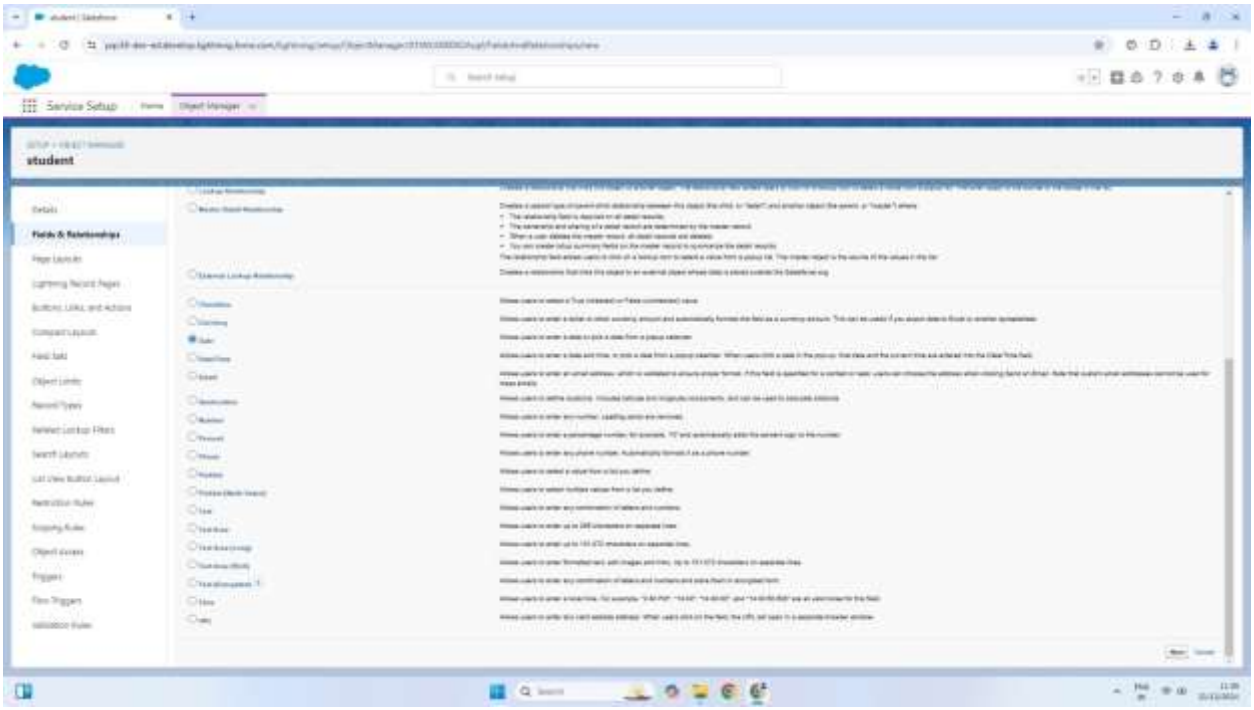
Click on Fieds and Relationship



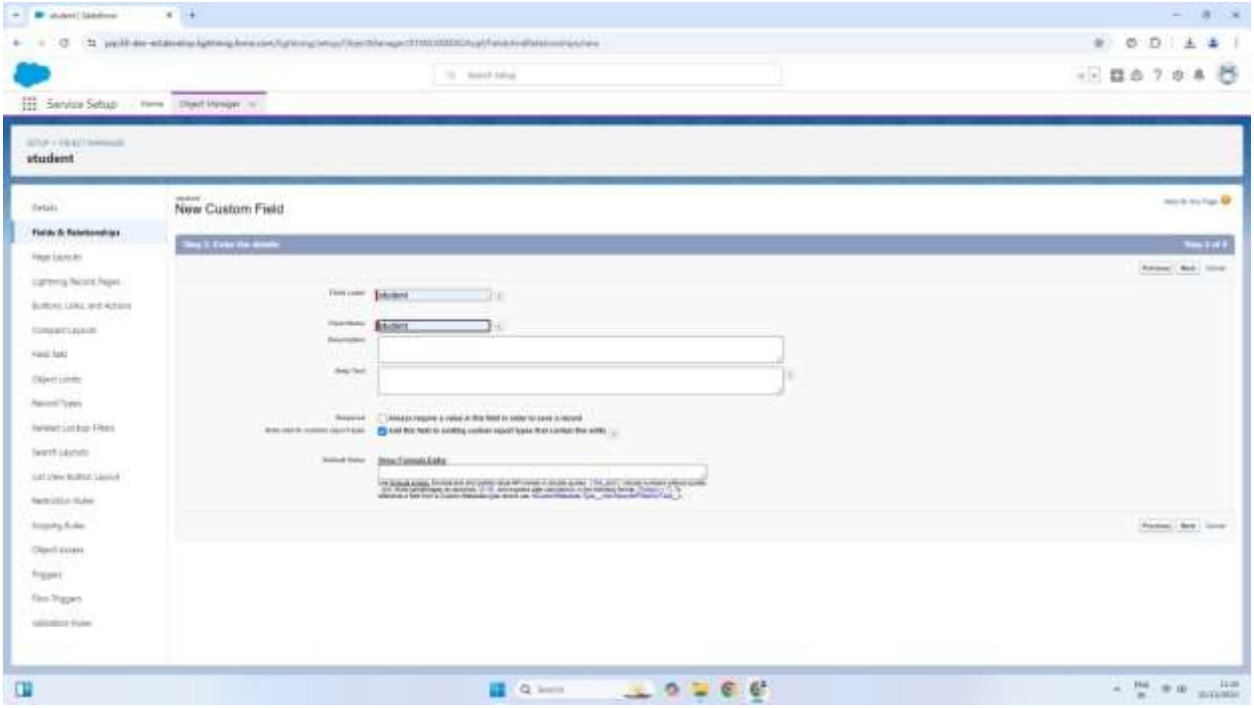
Click on **New** for new fields(create the minimum 5 to 6 fields)

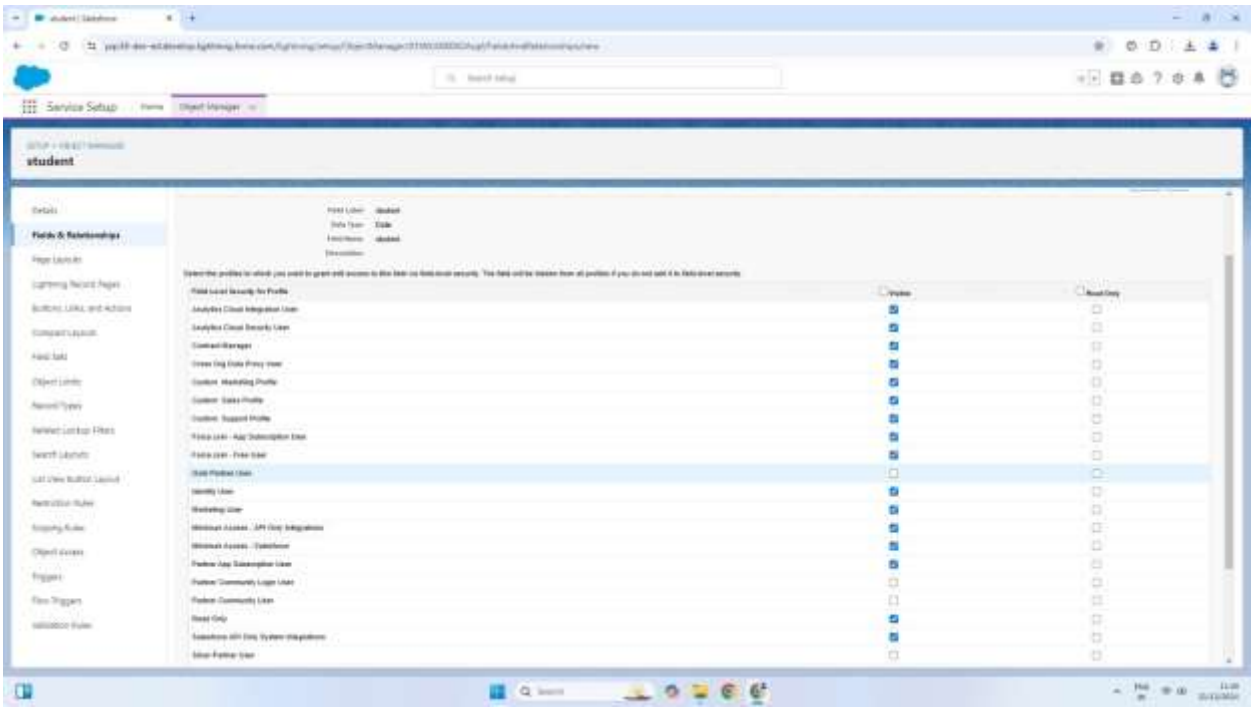


Click the data Type

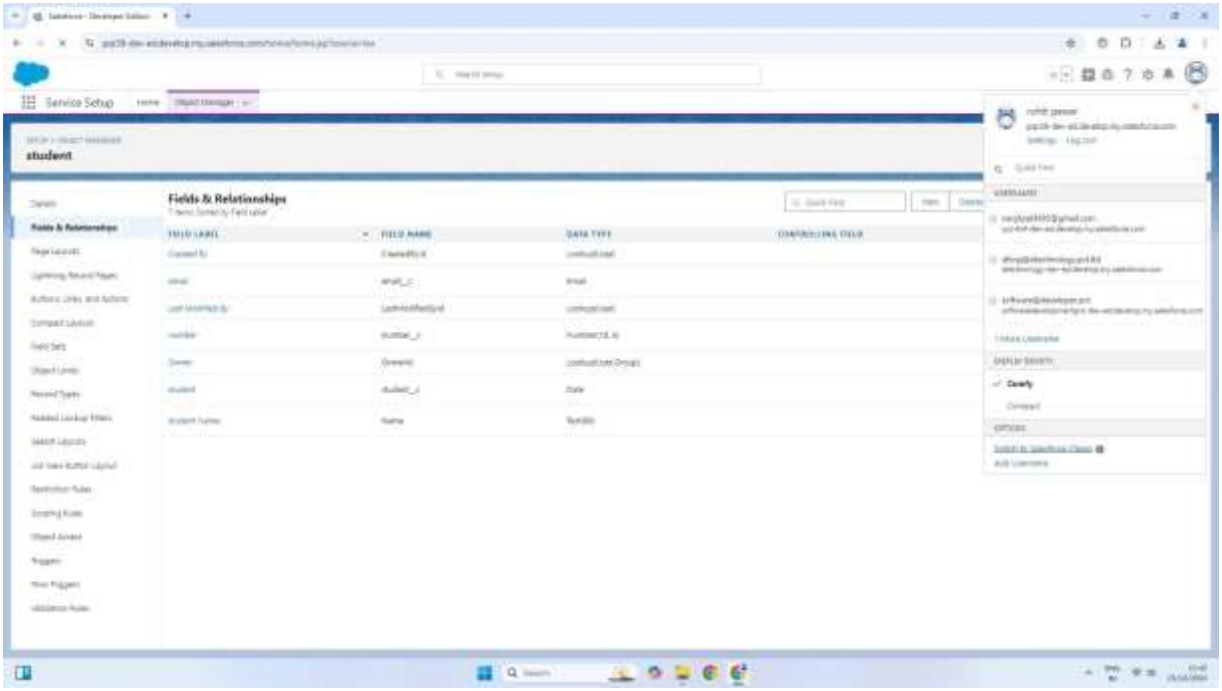


Give the fields name then click on next -> next -> next

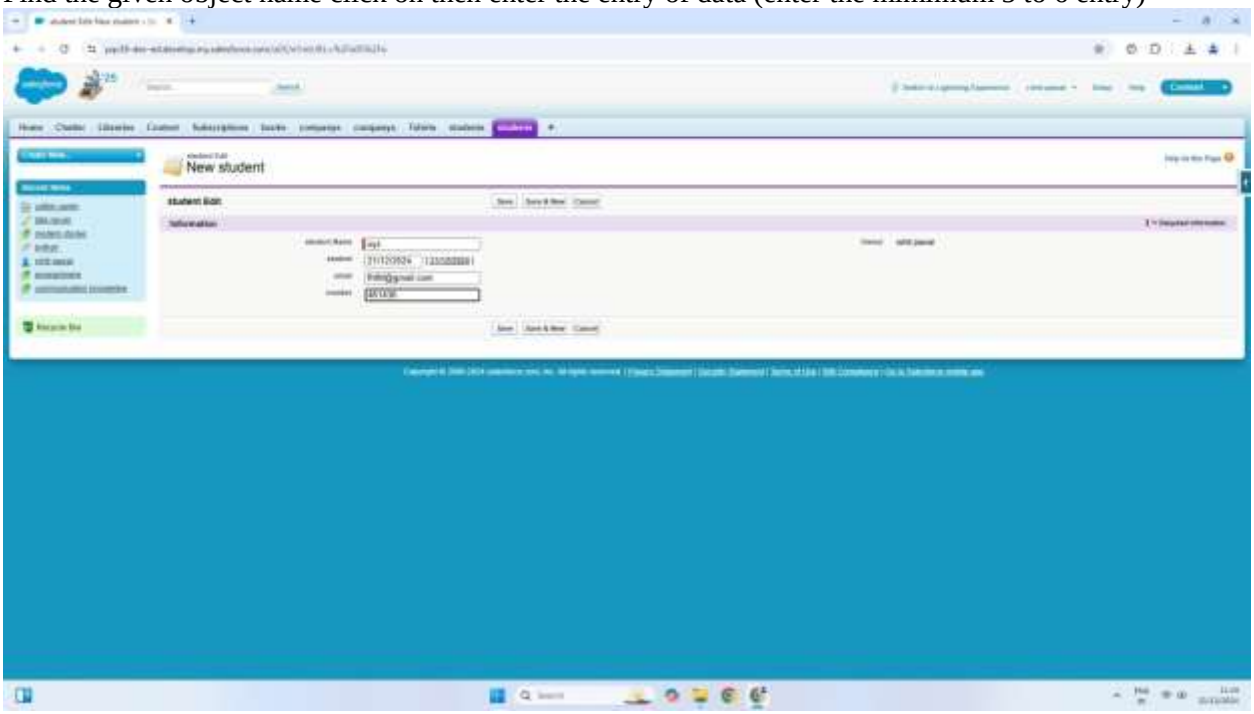


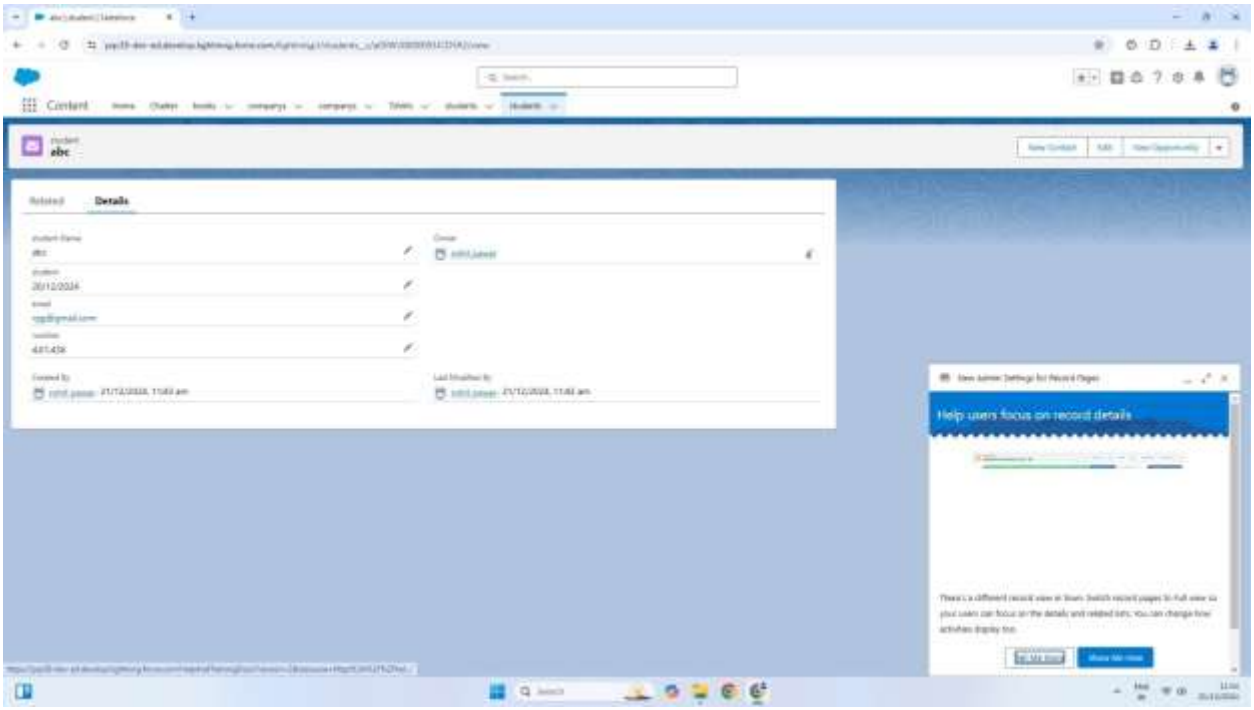


Go on Switch to saleforce classic

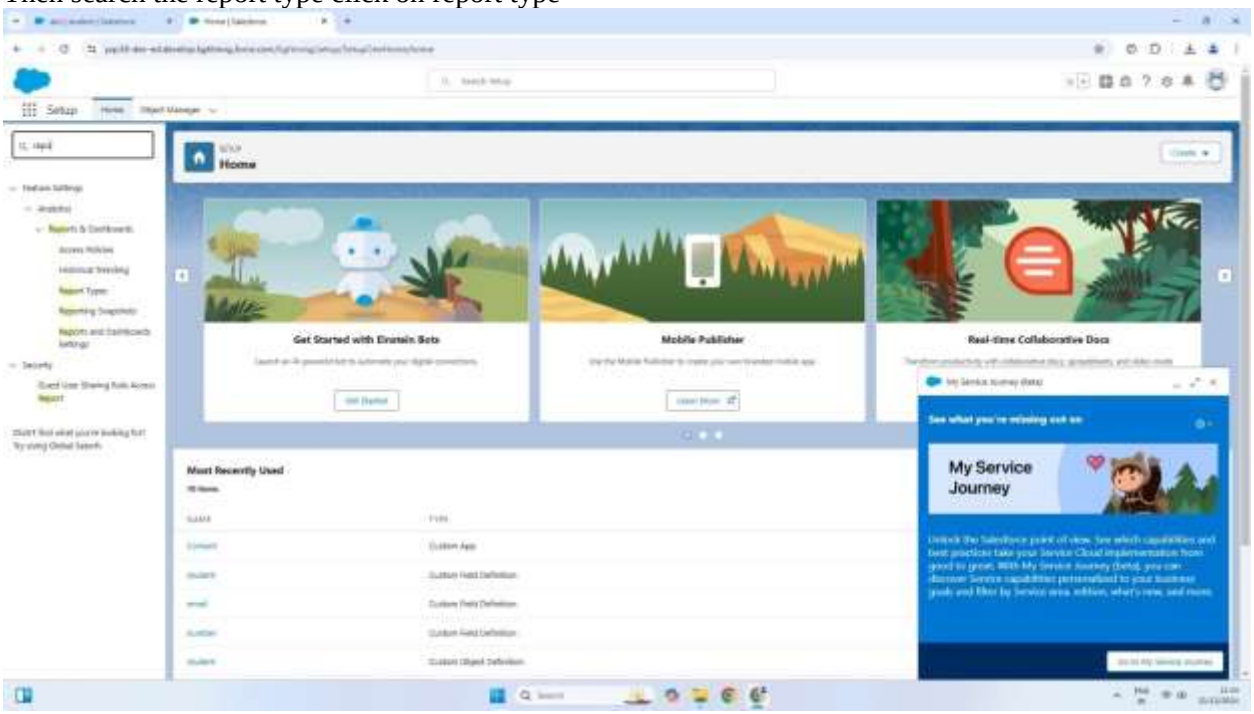


Find the given object name click on then enter the entry of data (enter the mimimum 5 to 6 entry)

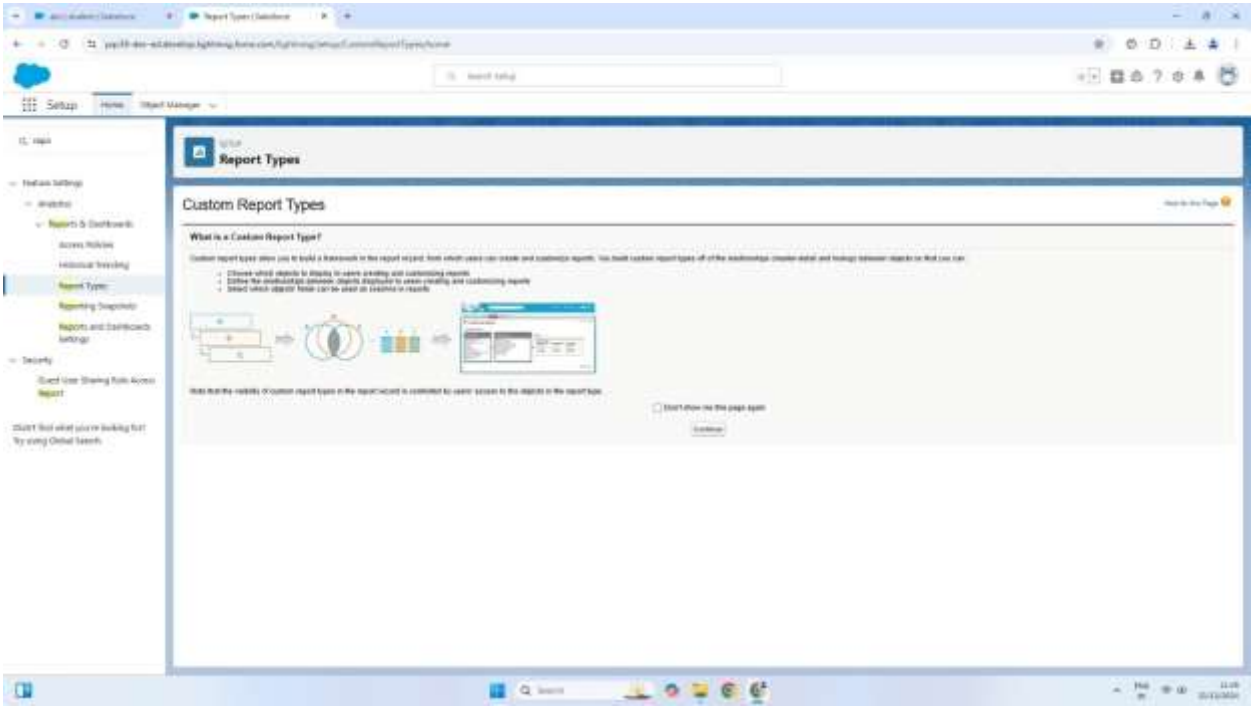




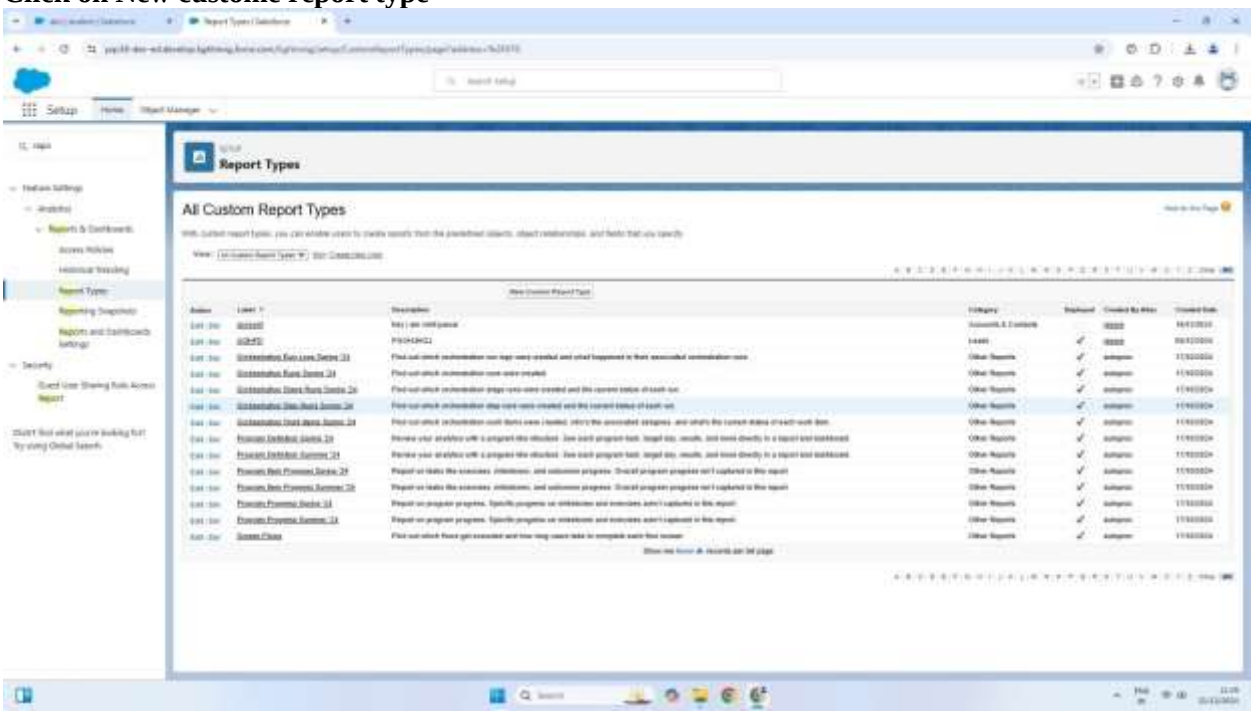
Then search the report type click on report type



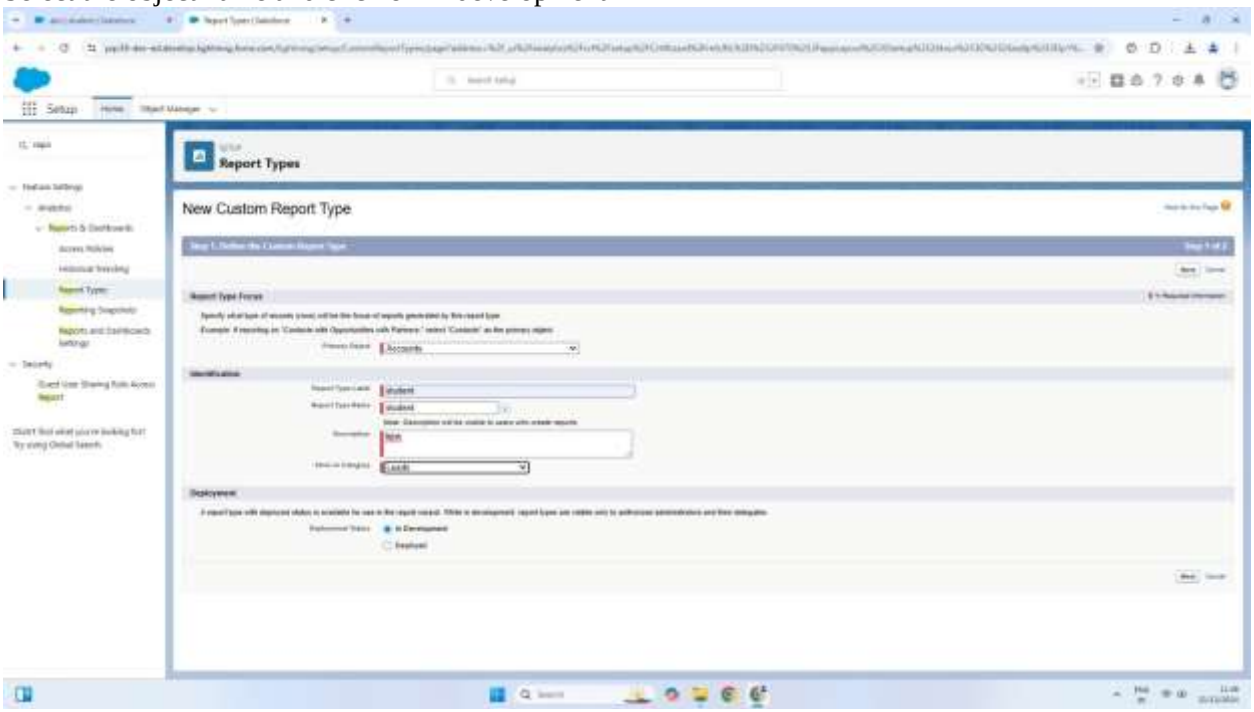
Click on continue



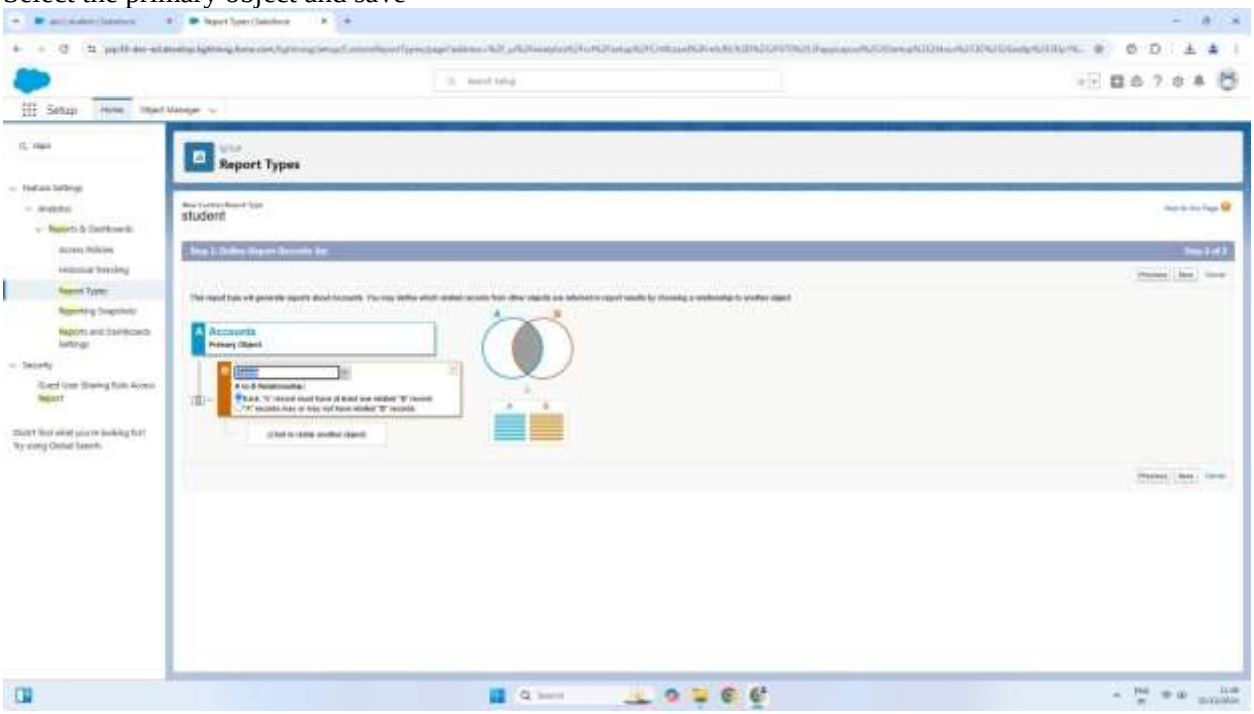
Click on New custome report type



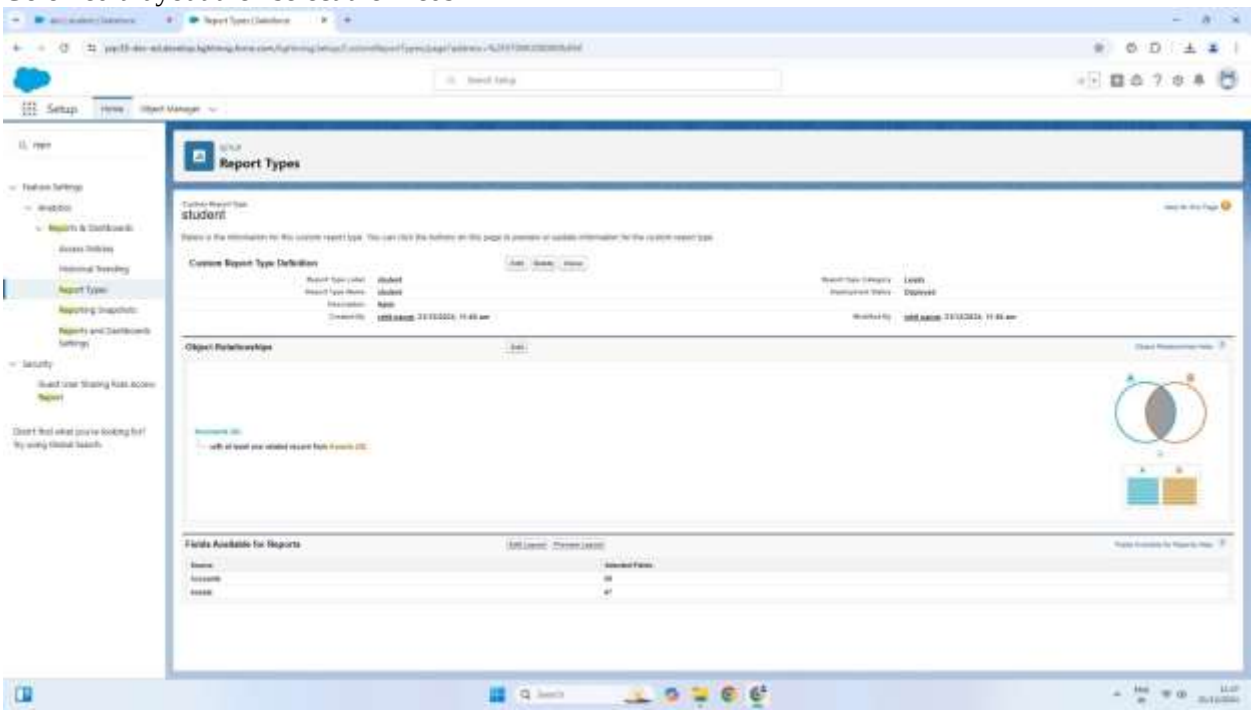
Select the object name and click on in development



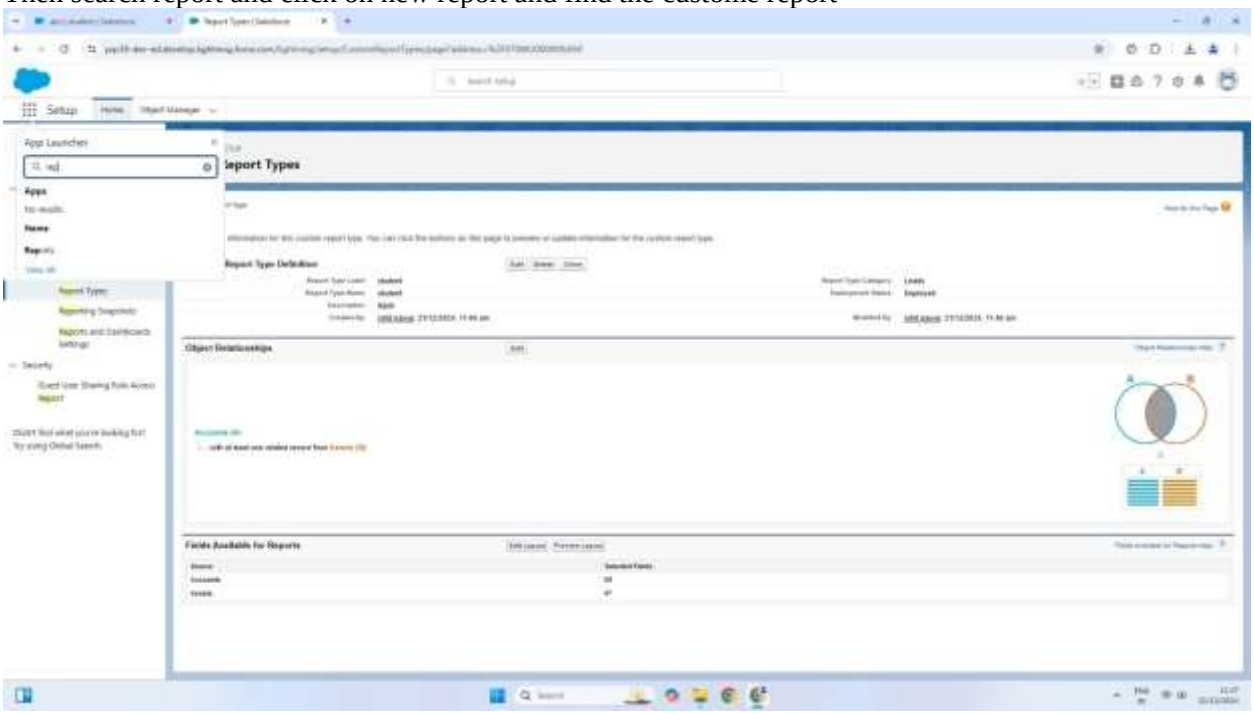
Select the primary object and save

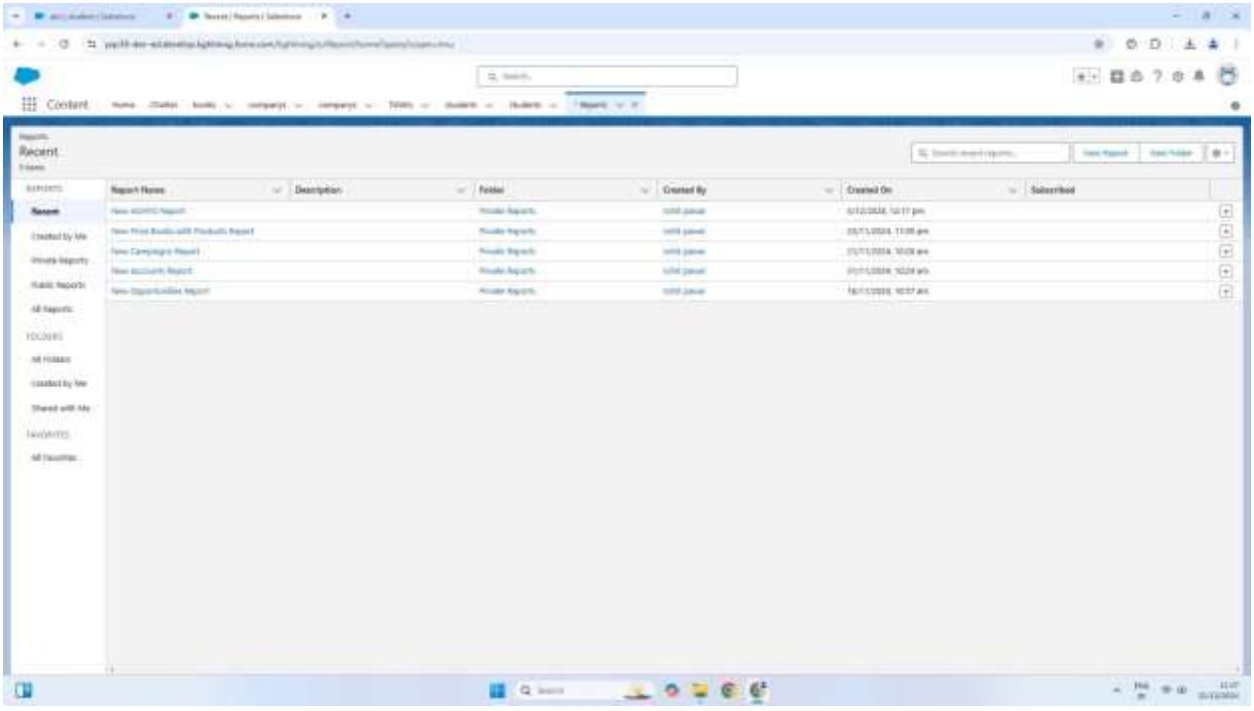


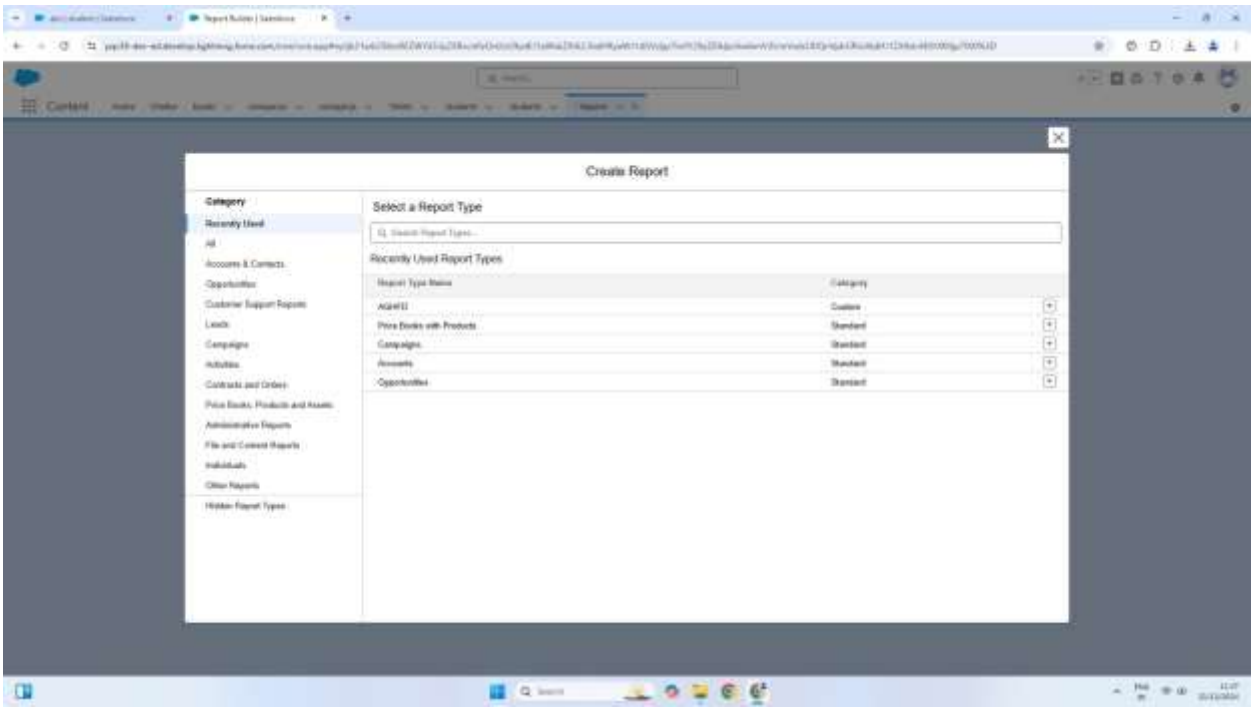
Go on edit layout then select the fileds



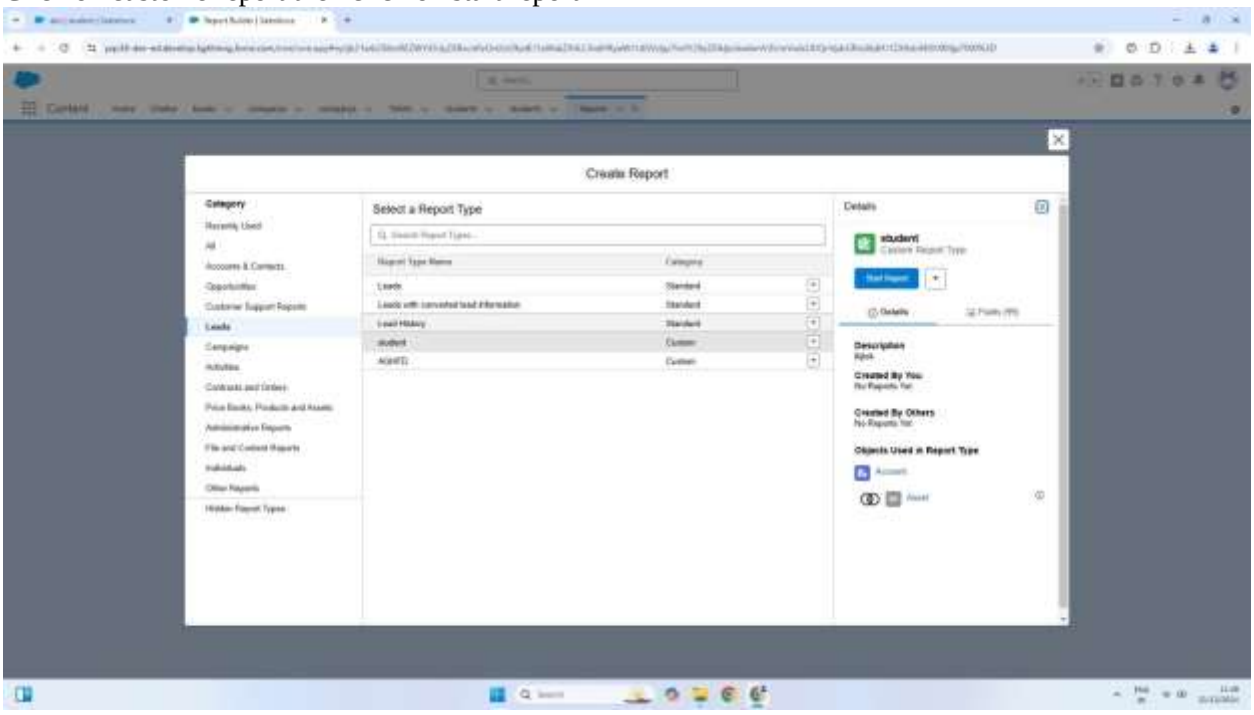
Then search report and click on new report and find the custome report



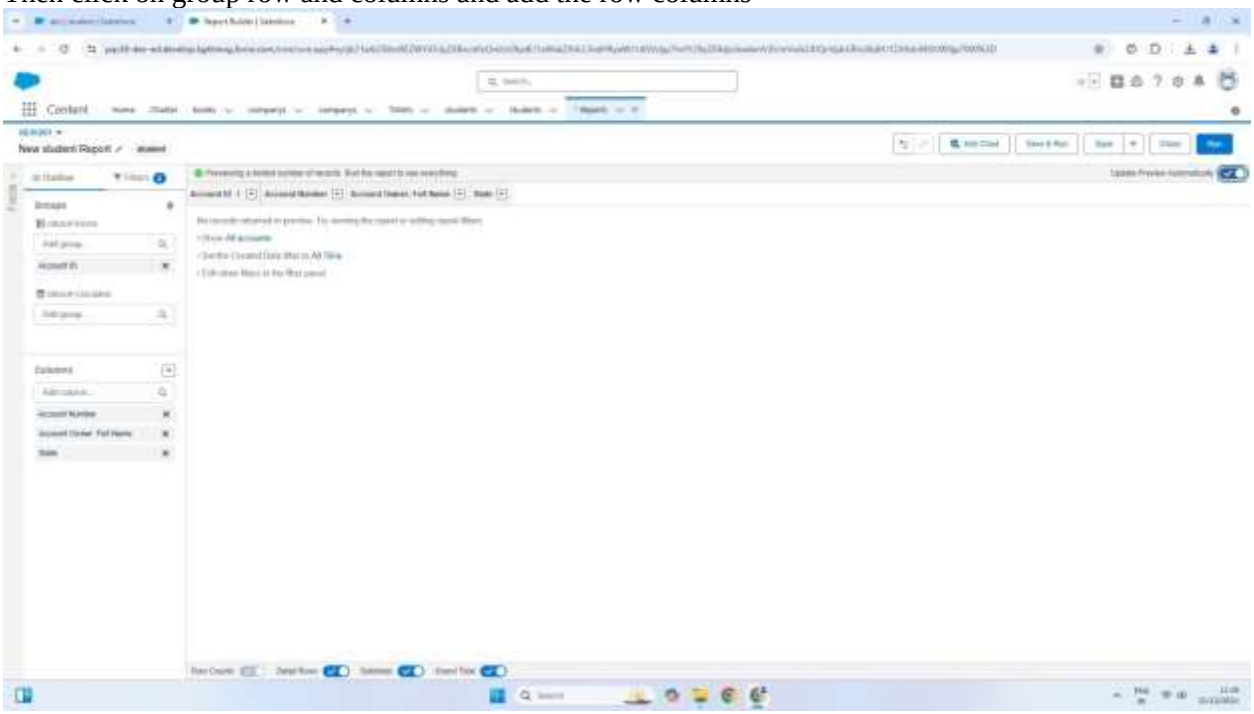




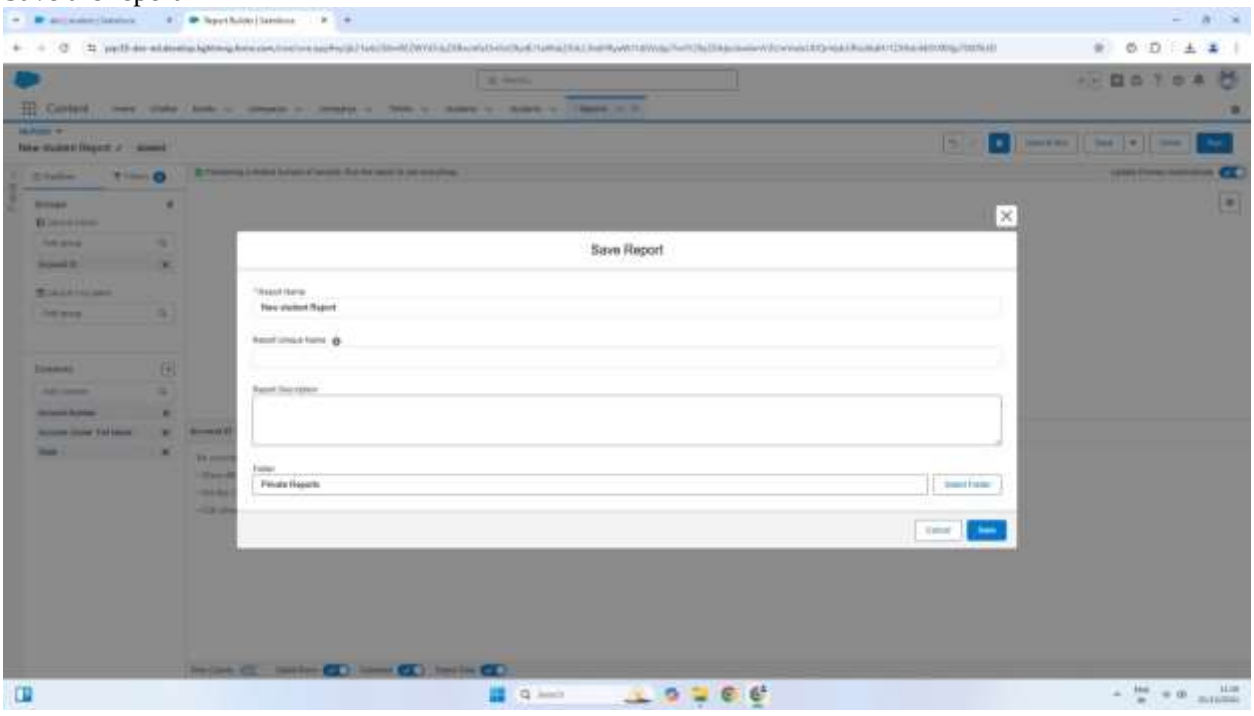
Click on custome report then click on start report



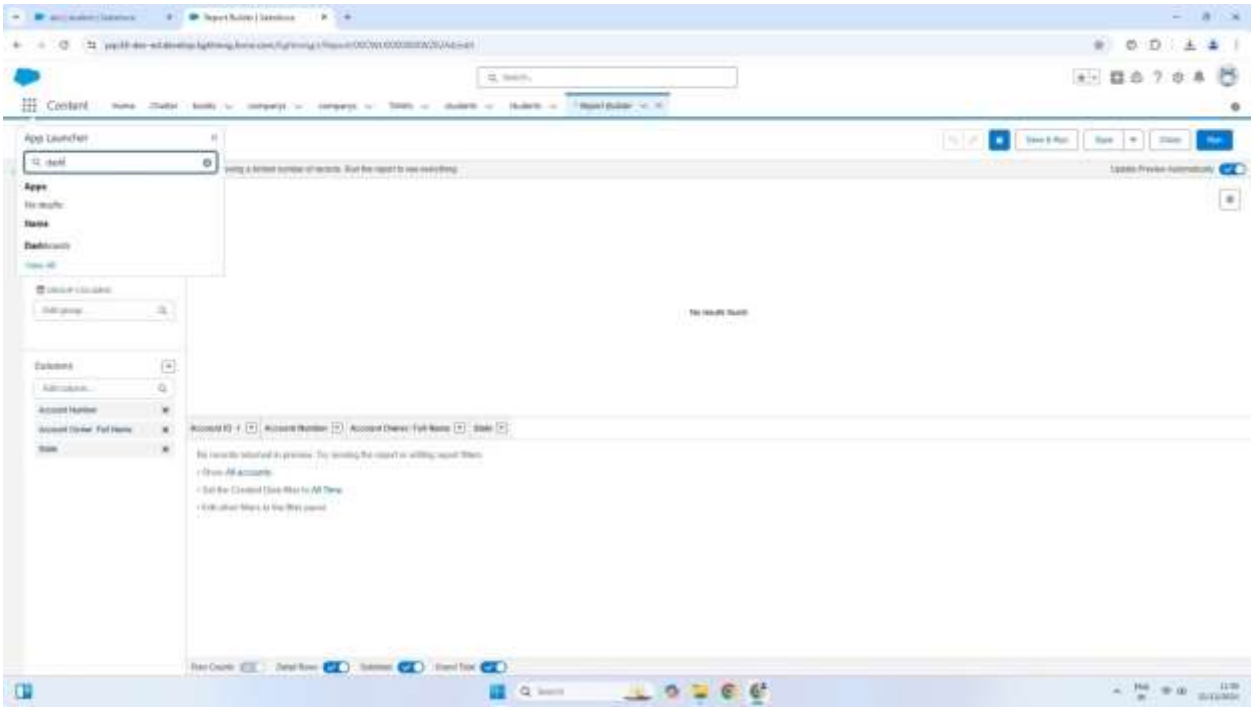
Then click on group row and columns and add the row columns



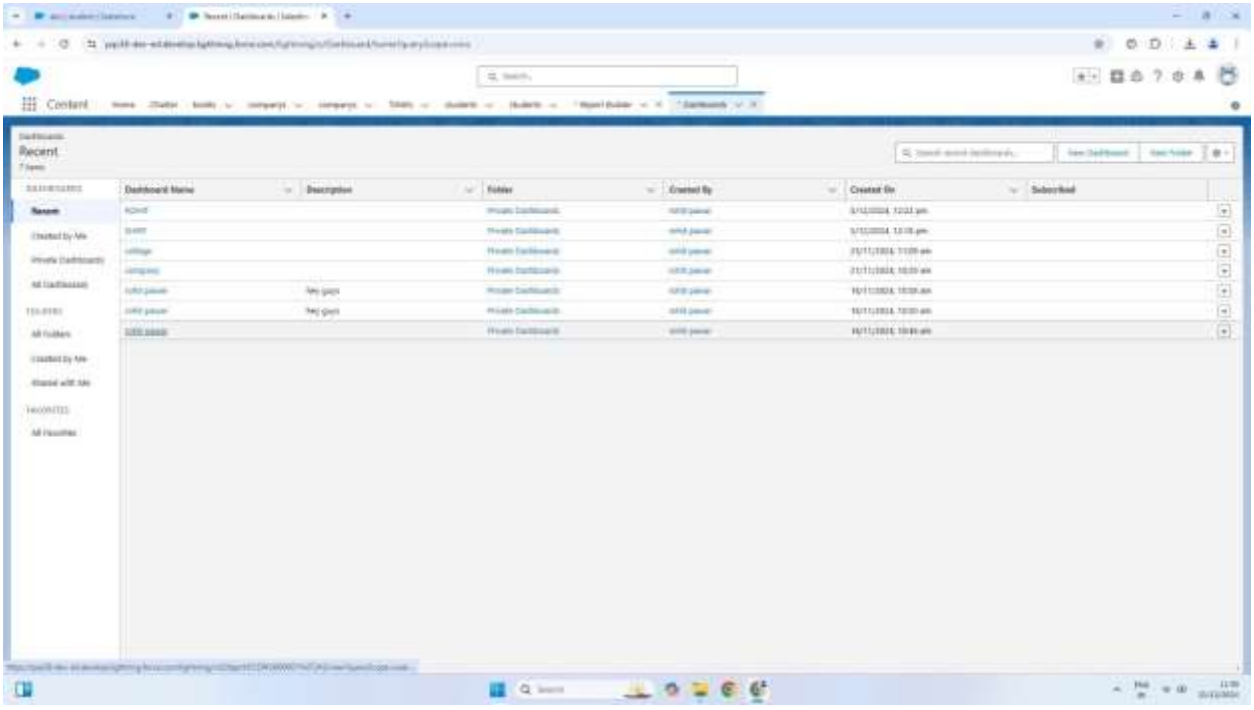
Save the report



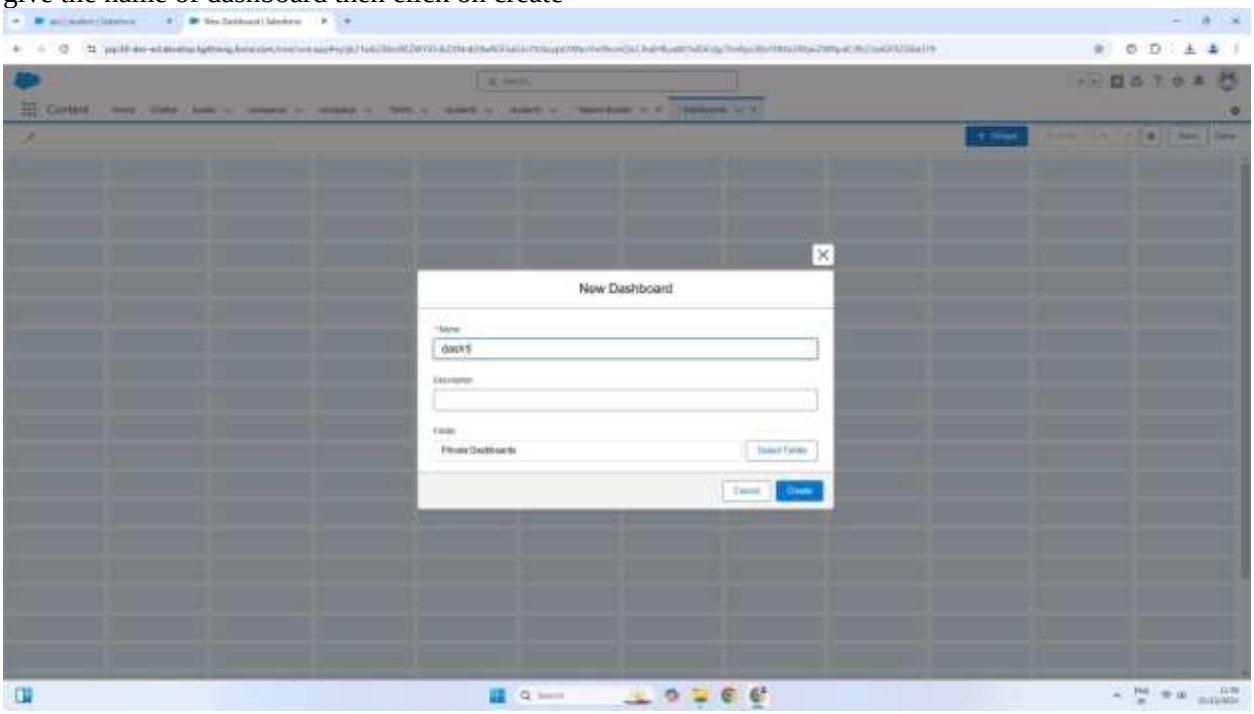
Search the dashboard



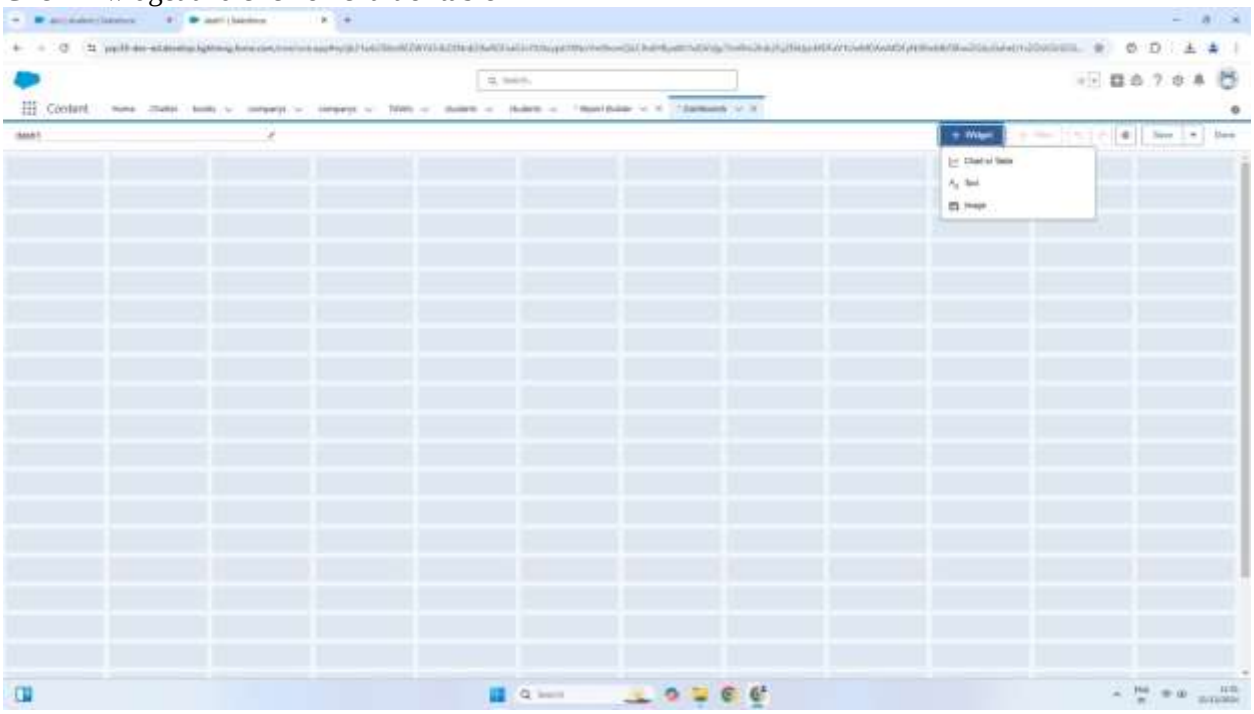
Click on the new dashboard



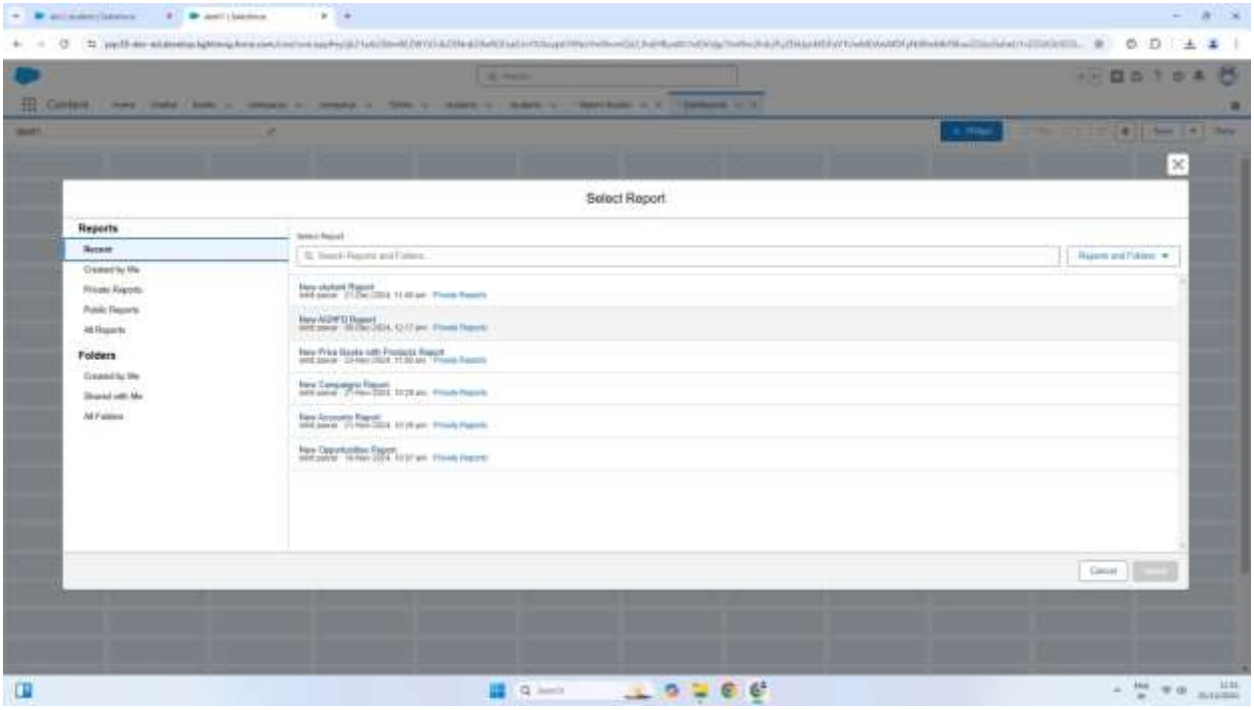
give the name of dashboard then click on create

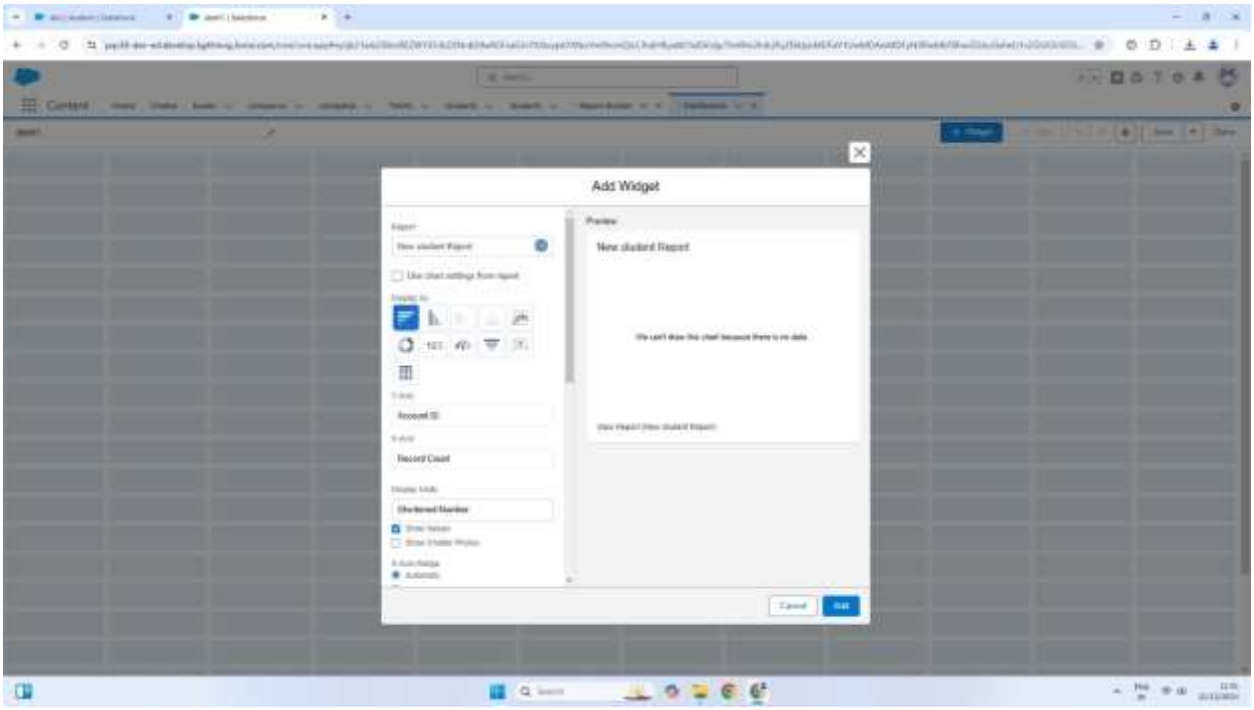


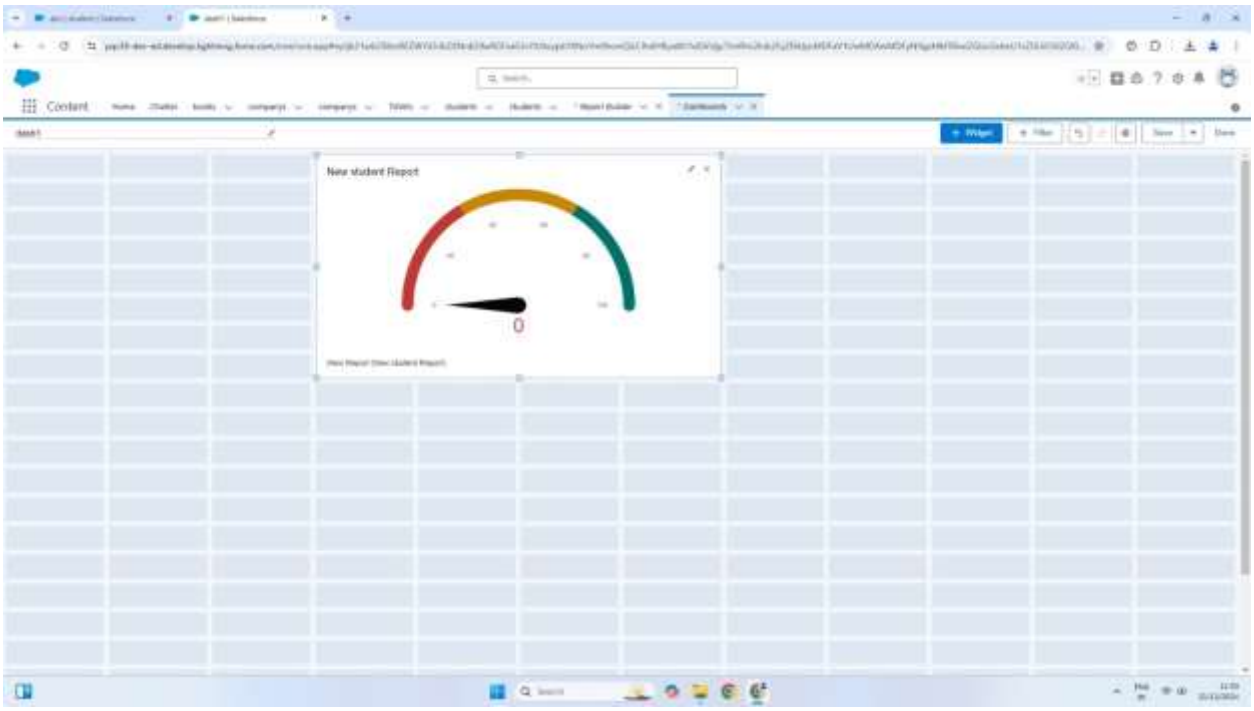
Click in widget and click on chart or table



Then select the custome report then add different chart types






New student Report
0